

Supporting information

Supported Bimetallic AuPd Nanoparticles as a Catalyst for the Selective Hydrogenation of Nitroarenes

Ruiyang Qu, Margherita Macino, Sarwat Iqbal, Xiang Gao*, Qian He, Graham John Hutchings and Meenakshisundaram Sankar*

^a *Cardiff Catalysis Institute, School of Chemistry, Cardiff University, Cardiff, CF10 3AT, UK*

^b *State Key Laboratory of Clean Energy Utilization, College of Energy Engineering, Zhejiang University, Hangzhou, 310027, China*

* *Corresponding author. Prof. X. Gao, State Key Laboratory of Clean Energy Utilization, College of Energy Engineering, Zhejiang University, Hangzhou, 31002, China.*

E-mail: xgaol@zju.edu.cn

* *Corresponding author. Dr. M. Sankar, Cardiff Catalysis Institute, School of Chemistry, Cardiff University, Cardiff, CF10 3AT, UK*

E-mail address: Sankar@cardiff.ac.uk

This supporting information contains

Figures S1 and S2

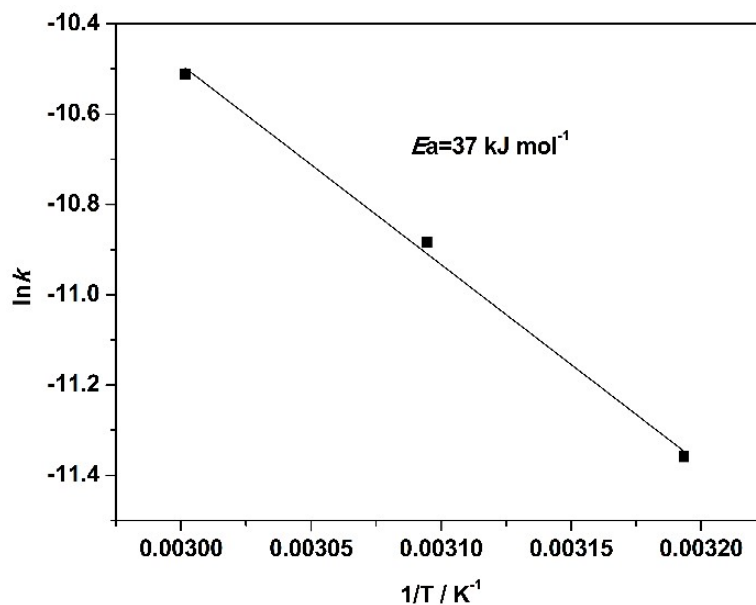


Figure S1 Arrhenius plot for the hydrogenation of nitrobenzene over 1%AuPd/TiO₂ (M_{1m}) catalyst. Reaction conditions: nitrobenzene: 10 mmol, ethanol: 16 mL, catalyst: 12.5 mg, H₂ pressure: 3 bar.

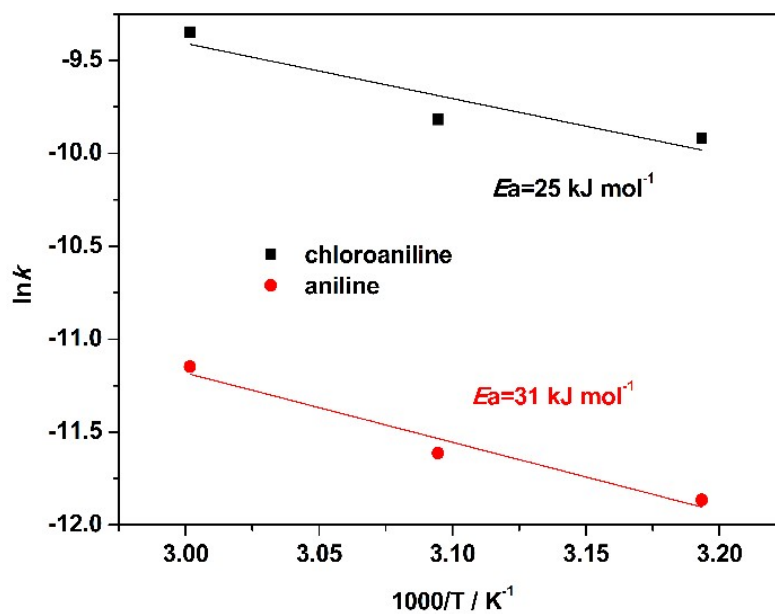


Figure S2 Arrhenius plot for the hydrogenation of CAN over 1%AuPd/TiO₂ (M_{1m}) catalyst. Reaction conditions: CAN: 10 mmol, ethanol: 16 mL, catalyst: 12.5 mg, H₂ pressure: 3 bar.