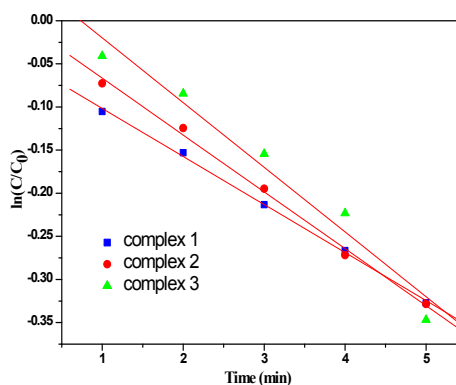
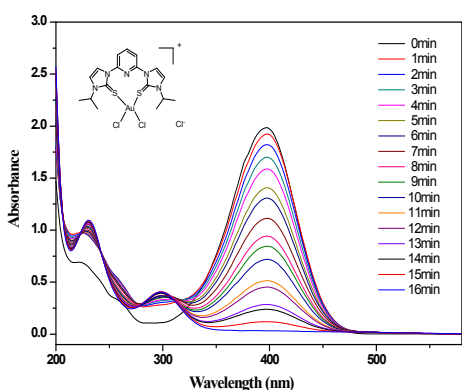
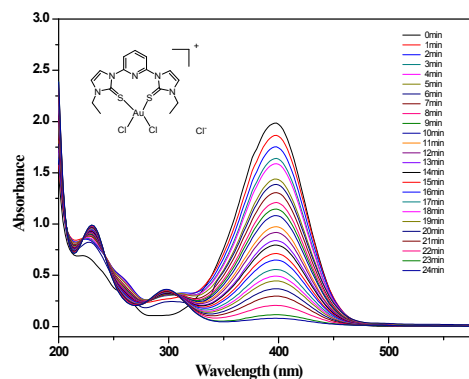
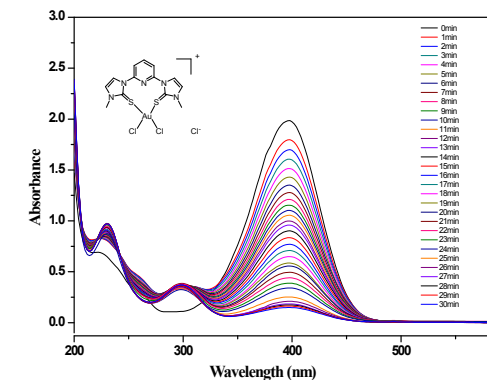


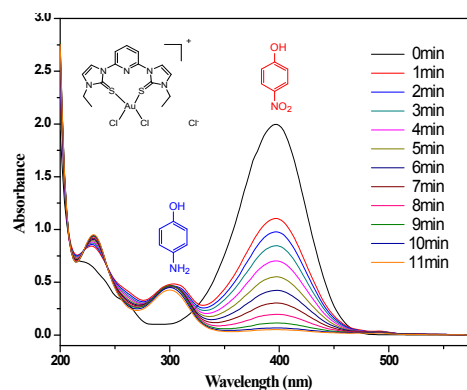
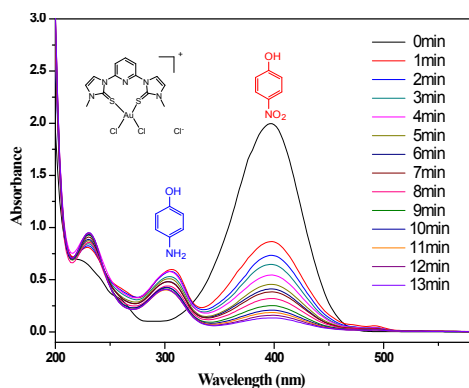
Electronic Supporting Information for Synthesis, Characterization of Gold Complexes with Pyridine-based SNS Ligands and as Homogeneous Catalysts for Reduction of 4- Nitrophenol

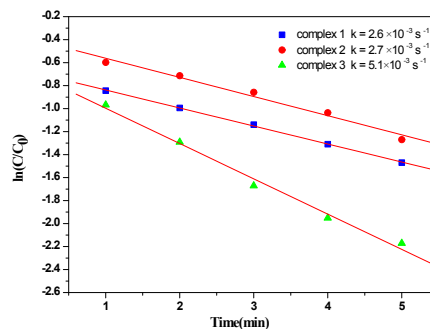
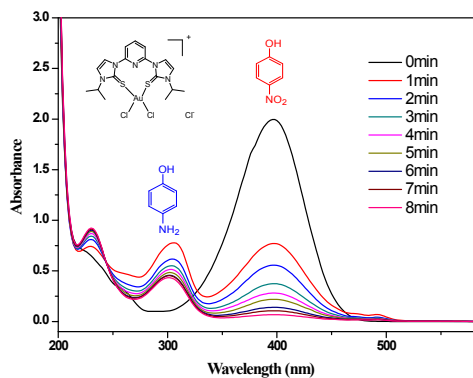
Wei-Guo Jia*, Yuan-Chen Dai, Hai-Ning Zhang, XiaoJing Lu, En-Hong Sheng

$n(4\text{-NP}):n(\text{NaBH}_4)=1:50$

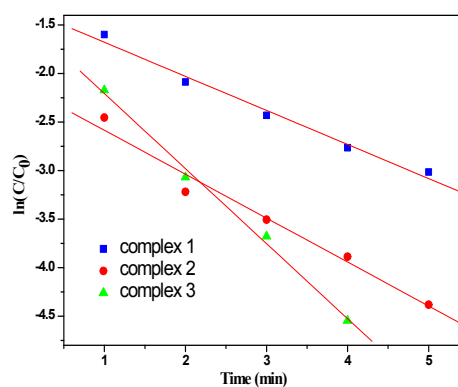
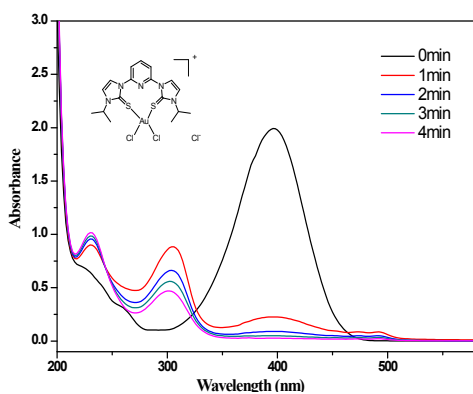
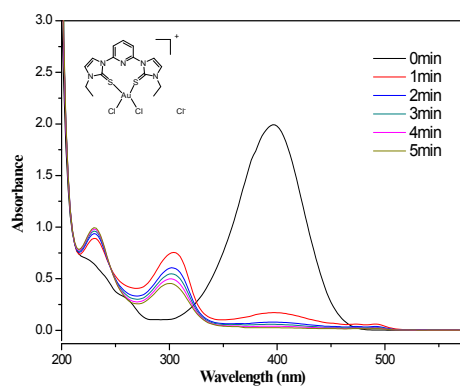
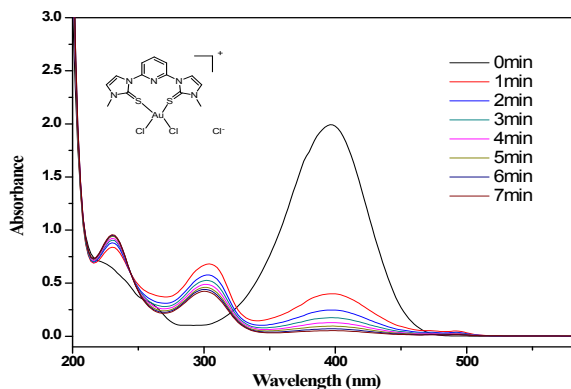


$n(4\text{-NP}):n(\text{NaBH}_4)=1:100$

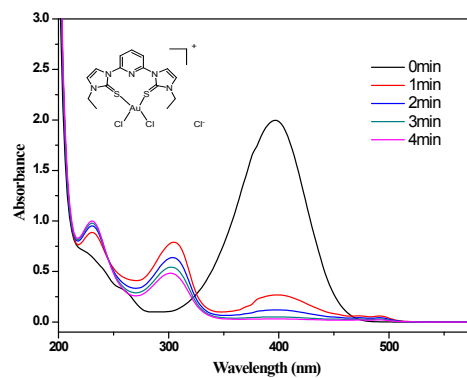
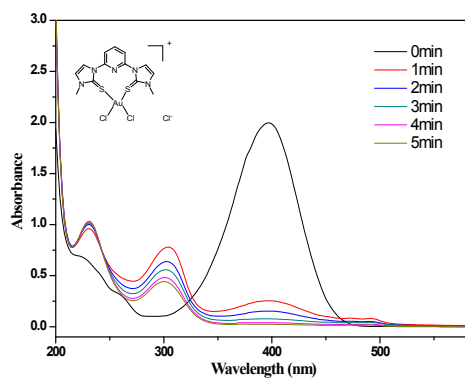


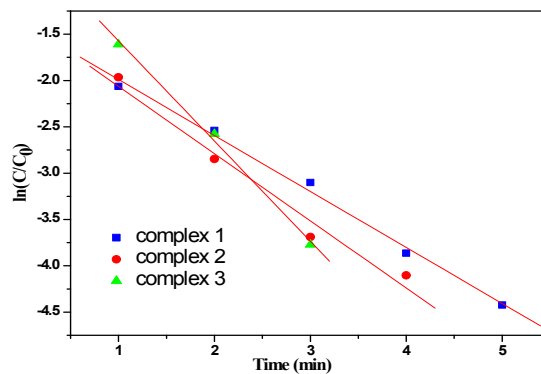
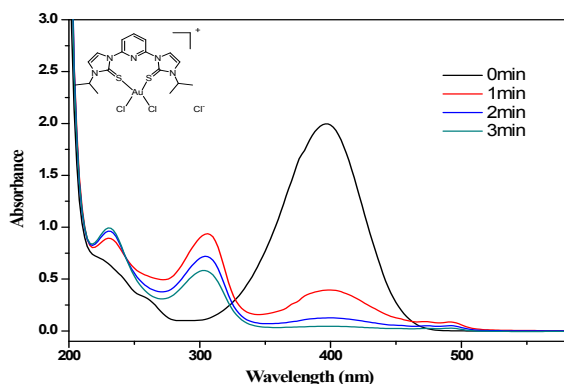


$n(4\text{-NP}):n(\text{NaBH}_4)=1:200$



$n(4\text{-NP}):n(\text{NaBH}_4)=1:300$





	n(4-NP):n(NaBH ₄)	TOF (min ⁻¹)	K (S ⁻¹)
Complex 1	1:50	0.30	9.5×10 ⁻⁴
Complex 2	1:50	0.40	1.0×10 ⁻³
Complex 3	1:50	0.61	1.2×10 ⁻³
Complex 1	1:100	0.71	2.6×10 ⁻³
Complex 2	1:100	0.88	2.7×10 ⁻³
Complex 3	1:100	1.20	5.1×10 ⁻³
Complex 1	1:200	1.38	5.6×10 ⁻³
Complex 2	1:200	1.97	7.4×10 ⁻³
Complex 3	1:200	2.45	1.2×10 ⁻²
Complex 1	1:300	1.96	1.0×10 ⁻²
Complex 2	1:300	2.46	1.2×10 ⁻²
Complex 3	1:300	3.27	1.7×10 ⁻²