

Electronic Supporting Information

Core-shell structured $\text{Fe}_3\text{O}_4@\text{SiO}_2$ supported cobalt(II) or copper(II) acetylacetonate complexes : magnetically recoverable nanocatalysts for aerobic epoxidation of styrene

Jian Sun, Guangli Yu, Lulu Liu, Zhifang Li, Qiubin Kan, Qisheng Huo and Jingqi Guan*

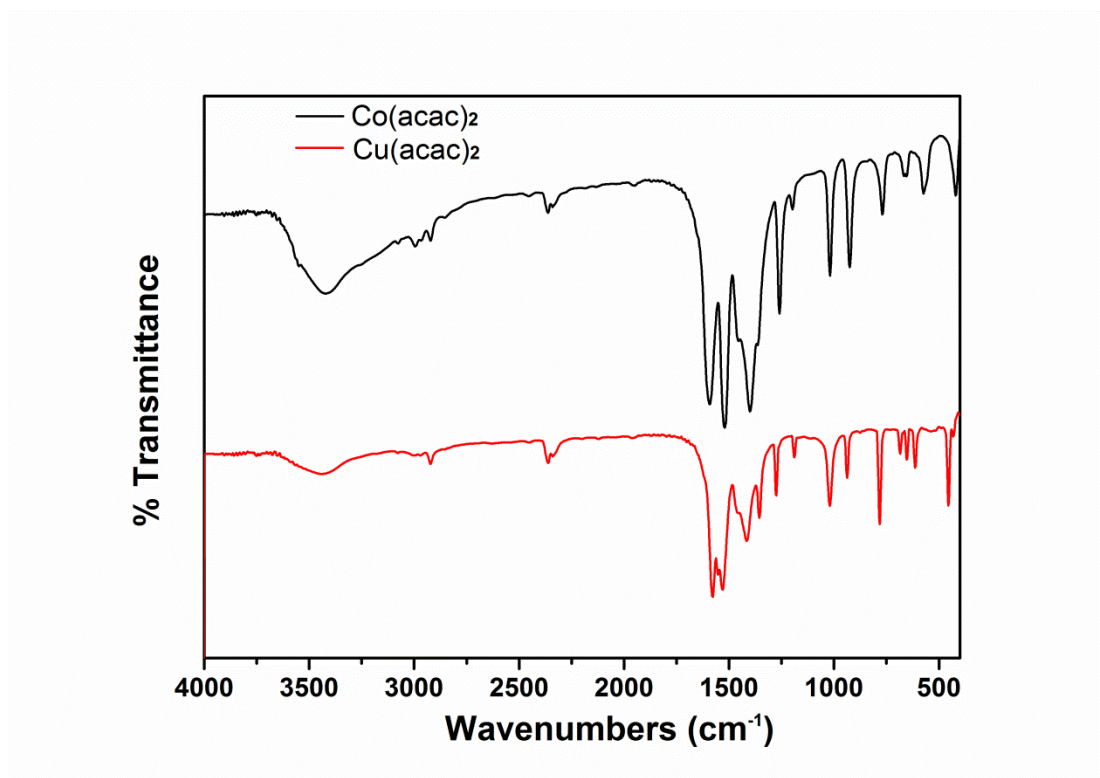


Fig. S1. FT-IR spectra of $\text{Co}(\text{acac})_2$ and $\text{Cu}(\text{acac})_2$ homogeneous catalysts

IR (KBr pellets, cm^{-1}): 1597 $\nu(\text{C}=\text{O})$, 1525 $\nu(\text{C}=\text{C})$, 2900-3000, 1400 $\nu(\text{C}-\text{H})$, 420 $\nu(\text{Co}-\text{O})$ for $\text{Co}(\text{acac})_2$.

IR (KBr pellets, cm^{-1}): 1575 $\nu(\text{C}=\text{O})$, 1531 $\nu(\text{C}=\text{C})$, 2920, 1414 $\nu(\text{C}-\text{H})$, 451 $\nu(\text{Cu}-\text{O})$ for $\text{Cu}(\text{acac})_2$.