

1 Supplementary Figure 1

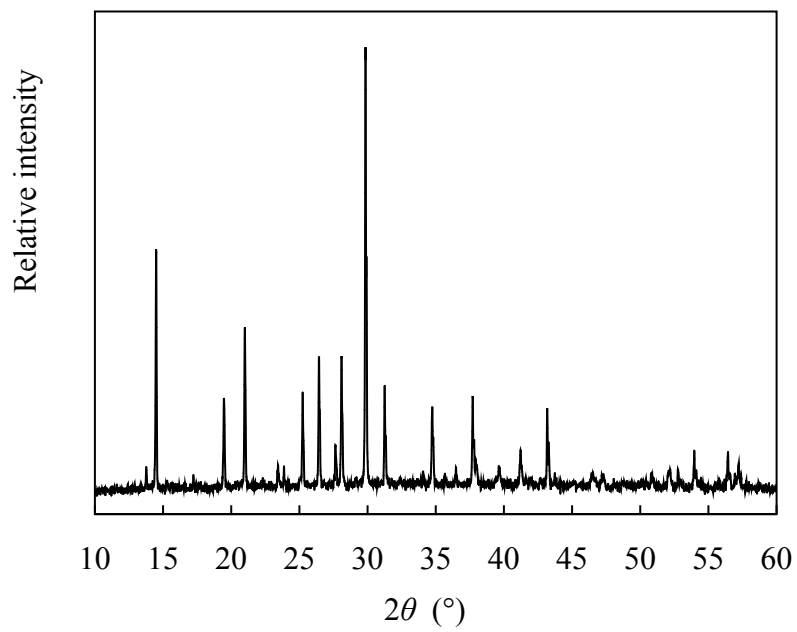
2 Supplementary Figure 1 XRD data of CoP_2O_6

3 Supplementary Figure 2 Production fractionation after lignin depolymerization (adapted from
4 reference ²)

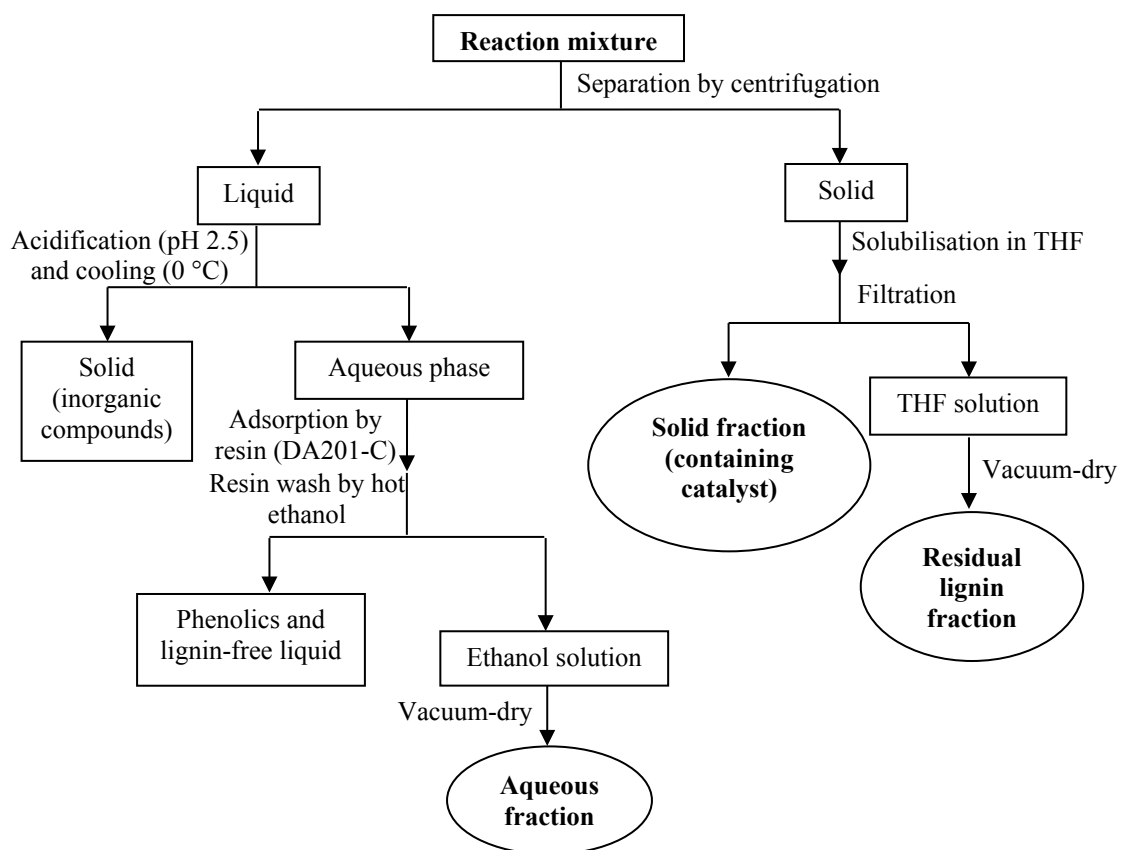
5 Supplementary Figure 3 Effect of catalysts on syringol content in aqueous fraction and
6 residual lignin fraction after depolymerization at 250 °C for 1 h

7 Supplementary Figure 4 FT-IR spectra of residual lignin fractions after depolymerization at
8 250 °C for 1 h

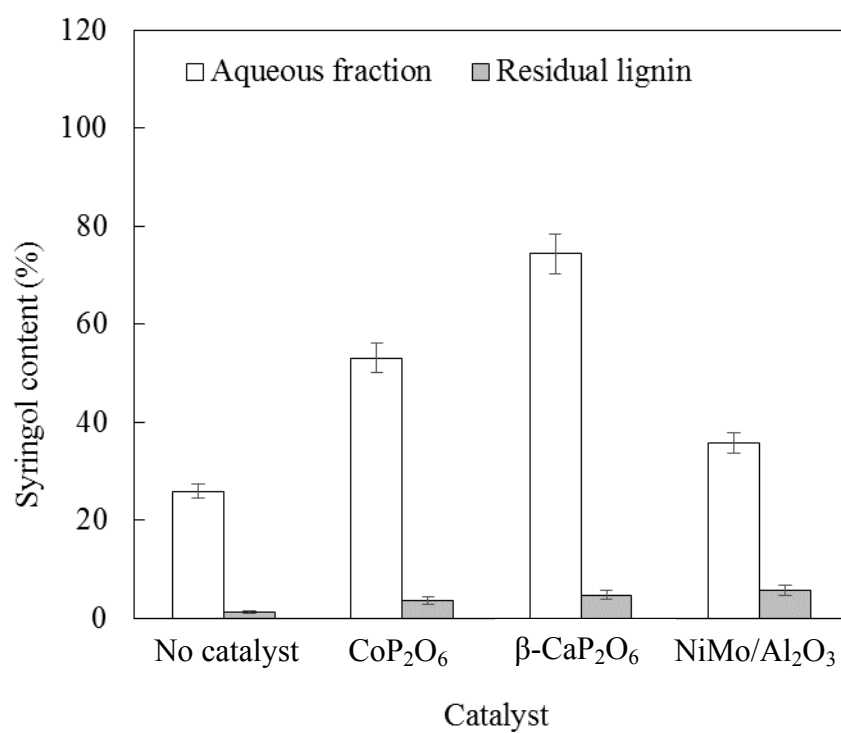
9 Supplementary Figure 5 Effect of reaction temperature and solvent on syringol content in
10 fractions with $\beta\text{-CaP}_2\text{O}_6$ catalyst for 1 h



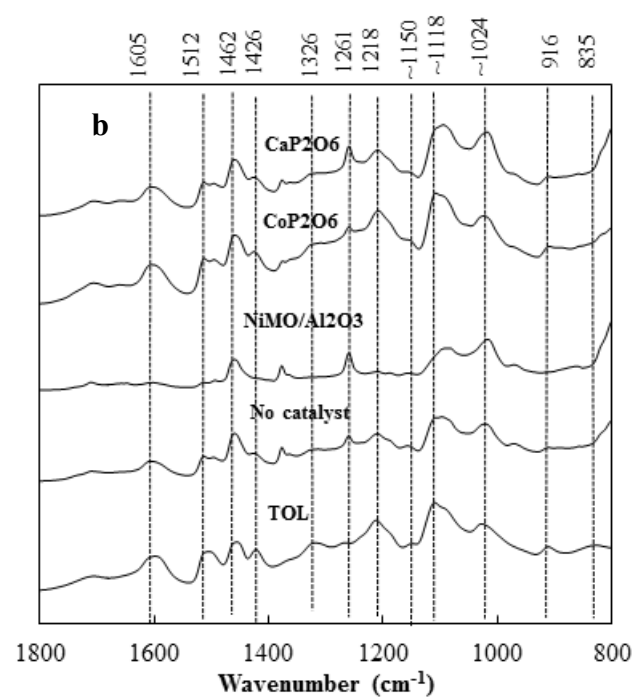
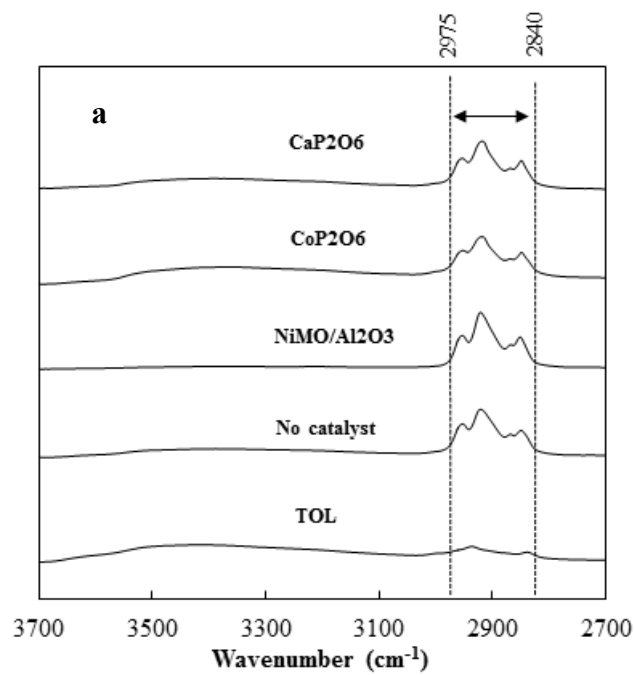
Supplementary Figure 1



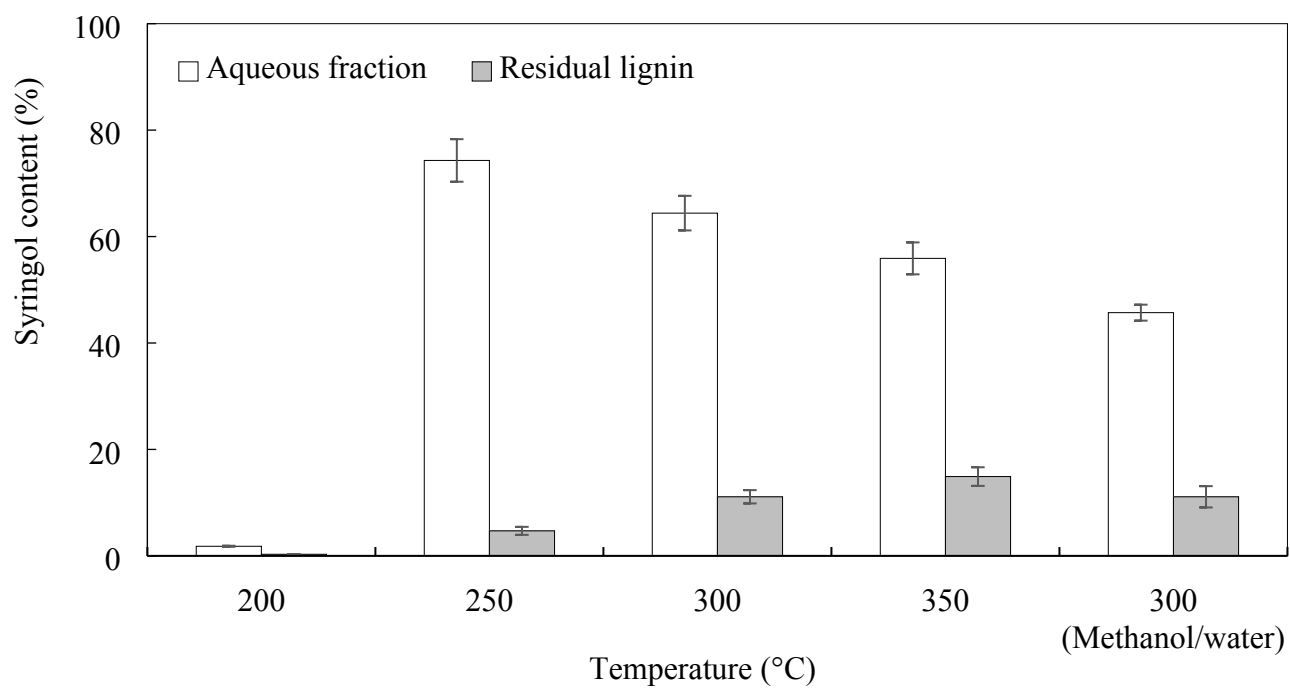
Supplementary Figure 2



Supplementary Figure 3



Supplementary Figure 4



Supplementary Figure 5