

Supporting Materials

An amphiphilic catalyst based on sandwich-type polyoxometalate for
deep desulfurization of fuels in ionic liquid

Yan Xu, Wen-Wen Ma, Arouna Dolo, Hong Zhang*

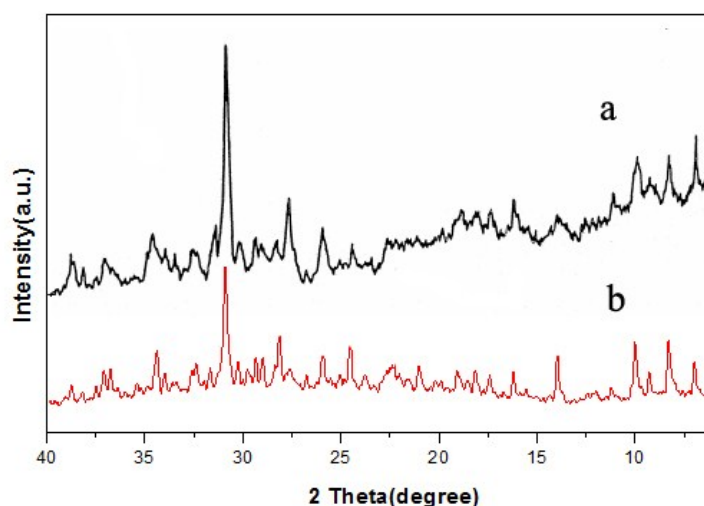


Fig. S1 XRD pattern of $\text{Co}_4(\text{PW}_9)_2$: (a) prepared by Weakley's method (b) prepared by literature [32].

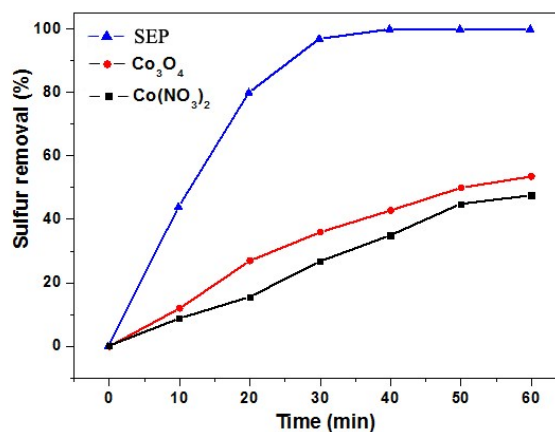


Fig. S2 The conversion of DBT with different catalysts Co_3O_4 , $\text{Co}(\text{NO}_3)_2$ and SEP.
Reaction conditions: Model oil (S in n-octane = 500 ppm) 5 ml, $[\text{Bmim}]\text{PF}_6 = 1$ mL, $t = 60$ min, $T = 60^\circ\text{C}$, $O/S = 4$, $n(\text{sulfur})/n(\text{catalyst}) = 20:1$.