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Title: Catalytic decomposition of dibenzothiophene sulfone over K-based Oxides supported on alumina

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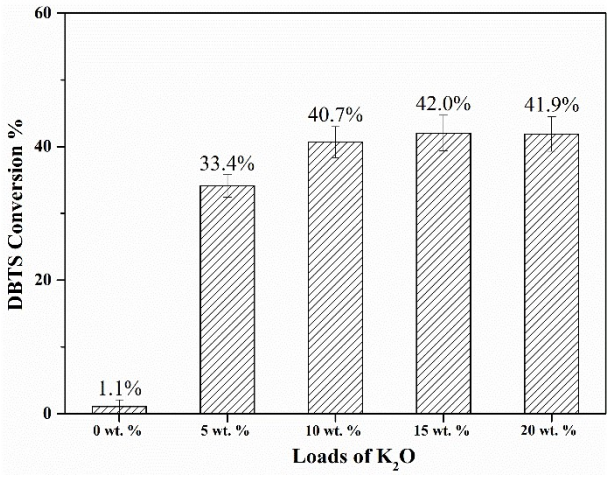

Fig. S.1 The conversion of DBTS on different loads of K_2O supported on 1-Al_2O_3 at 260℃, N_2 atmosphere and the reaction time of 20 min

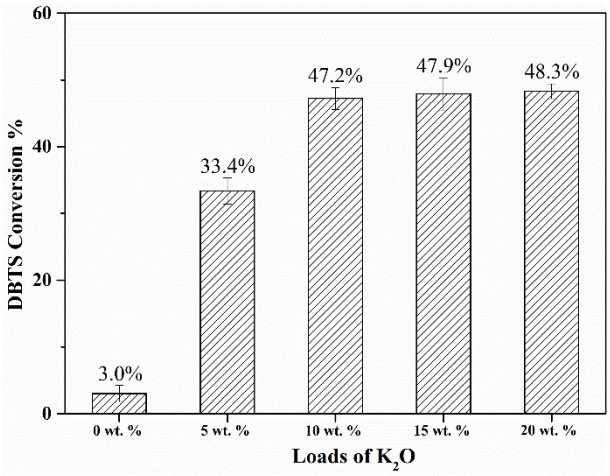

Fig. S.2 The conversion of DBTS on different loads of K_2O supported on 2-Al_2O_3 at 260℃, N_2 atmosphere and the reaction time of 20 min

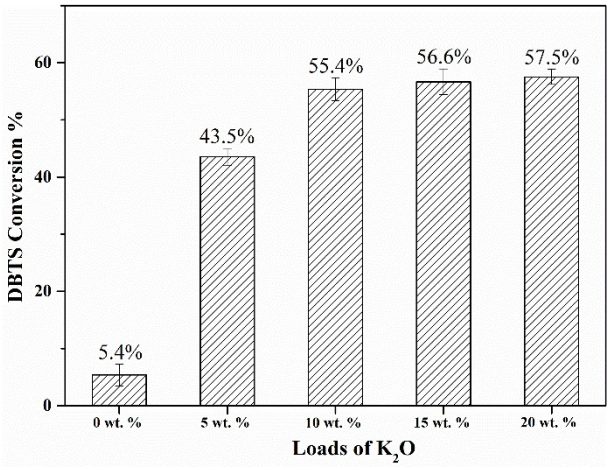

Fig. S.3 The conversion of DBTS on different loads of K_2O supported on 3-Al_2O_3 at 260℃, N_2 atmosphere and the reaction time of 20 min