Heterogeneous Reactions of Carbonyl Sulfide on Mineral Oxides: Mechanism and Kinetics Study

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Supplement:

Fig. 1S. The heterogeneous reaction of OCS on 50.2 mg of $\alpha$-Al$_2$O$_3$ at 300 K (left side) and the \textit{in situ} desorption of surface species in the end of uptake (right side).
Fig. 2S. The heterogeneous reaction of OCS on 100.0 mg of MgO at 300 K (left side) and the *in situ* desorption of surface species in the end of uptake (right side).
**Fig. 3S.** Repeated uptake experiments of OCS on ZnO and α-Fe₂O₃. Uptake experiments were performed at 300 K. After the uptake experiment finished, the sample were out-gassed at 3.0±1.0×10⁻⁷ Torr and at 300 K for 18 h.