

## A novel Ir-hexaaluminate catalyst for N<sub>2</sub>O as a propellant

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Fig. S1 shows X-ray diffraction patterns of (a) BIFA (x=0.2) catalysts and (b) Ir/Al<sub>2</sub>O<sub>3</sub> catalysts calcined at different temperatures.

(□ IrO<sub>2</sub>, □ BaAl<sub>12</sub>O<sub>19</sub>, ○ γ-Al<sub>2</sub>O<sub>3</sub>, ● α-Al<sub>2</sub>O<sub>3</sub>, ↓ BaAl<sub>2</sub>O<sub>4</sub>)

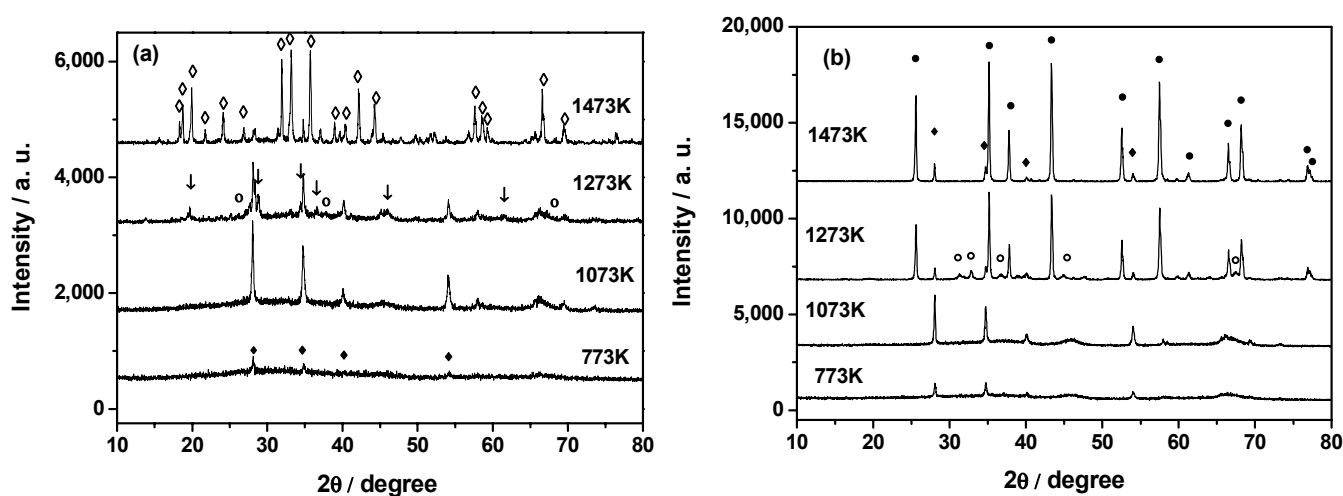


Fig. S1

Fig. S2 shows H<sub>2</sub>-TPR profiles for BIFA (x=0.2) and Ir/Al<sub>2</sub>O<sub>3</sub> catalysts calcined at different temperatures.

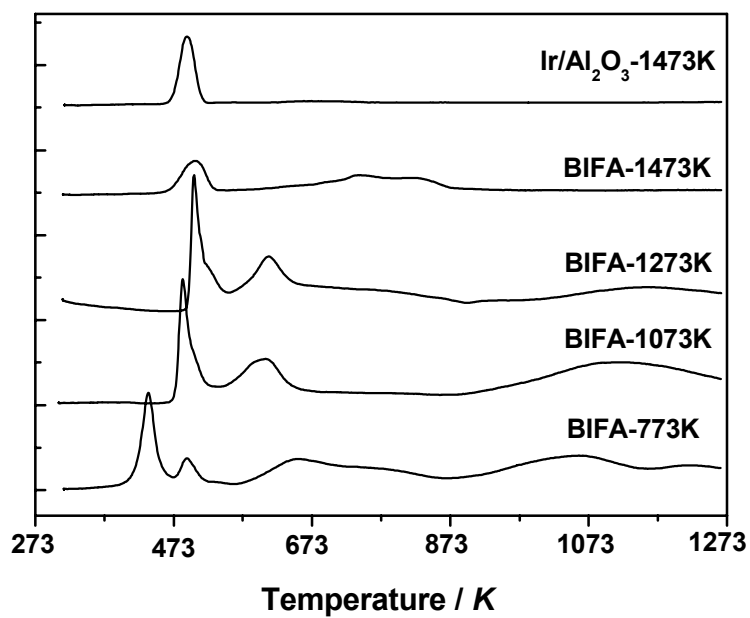


Fig. S2