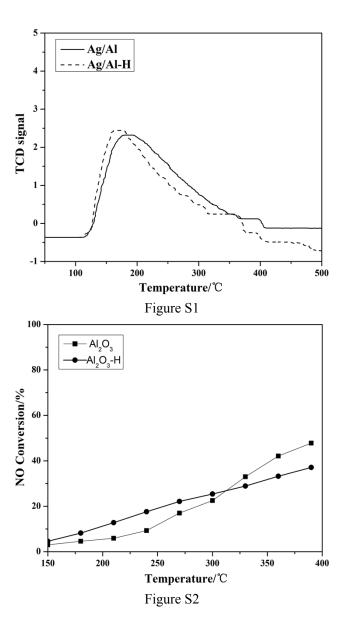
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## Supplementary

- Fig. S1. NH<sub>3</sub>-TPD profiles of Ag/Al and Ag/Al-H samples.
- Fig. S2. Catalytic performance of Al<sub>2</sub>O<sub>3</sub> and Al<sub>2</sub>O<sub>3</sub>-H samples.
- Fig. S3. O1s spectrum of Ag/Al and Ag/Al-H samples.

Fig. S4 The NOx conversion of first test and second test for (a) Ag/Al sample and (b) Ag/Al-H sample.



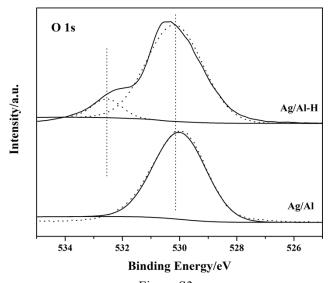
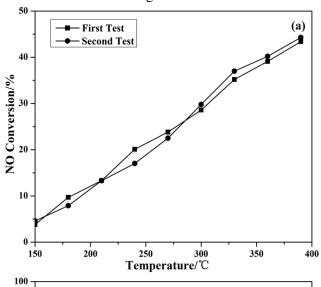


Figure S3



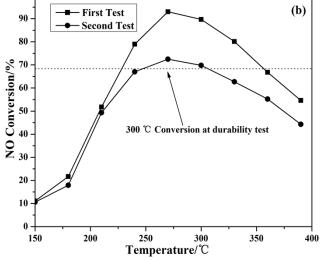


Figure S4