Electronic Supplementary Information
for
Identification of two types of exchangeable sites for monovalent copper ions exchanged in MFI-type zeolite

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Fig. S1: The first and second adsorption isotherms (a) and adsorption heats of CO (b) at 301 K on Sample Cu/SiO₂·Al₂O₃(5) which had been evacuated at 873 K.

Fig. S2: IR spectra in the desorption stage of CO species adsorbed on the (1) 873-treated Cu/SiO₂·Al₂O₃(5) samples.

Supplementary Figures

Fig. S1  The first and second adsorption isotherms (a) and adsorption heats of CO (b) at 301 K on Sample Cu/SiO₂·Al₂O₃(5) which had been evacuated at 873 K. Solid circles indicate the first run and open circles the second one.
**Fig. S2**  IR spectra in the desorption stage of CO species adsorbed on the (1) 873-treated Cu/SiO$_2$·Al$_2$O$_3$(5) samples: (2) equilibrated under the pressure of 13.3 kPa of CO, and re-evacuated at (3) 300, (4) 373, (5) 473, (6) 573 and (7) 673 K.