Electronic Supplementary Information

Visible-light CO_2 reduction over a ruthenium(II)-complex/C_3N_4 hybrid photocatalyst: the promotional effect of silver species

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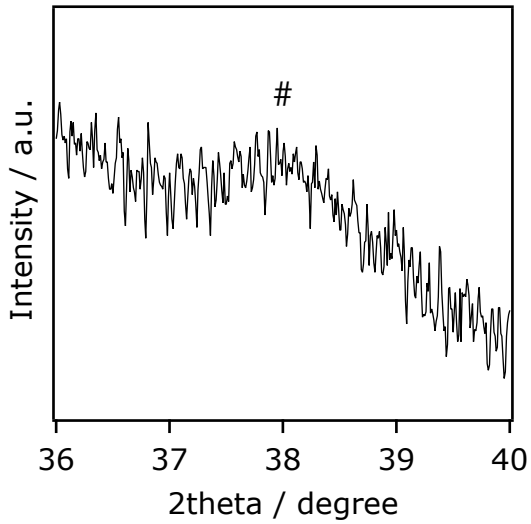

Fig. S1. An enlarged view of the XRD pattern of 2.0 wt% Ag-modified NS-C_3N_4 treated at 623 K with H_2. The # mark is assigned to (111) diffraction peak of Ag^0.

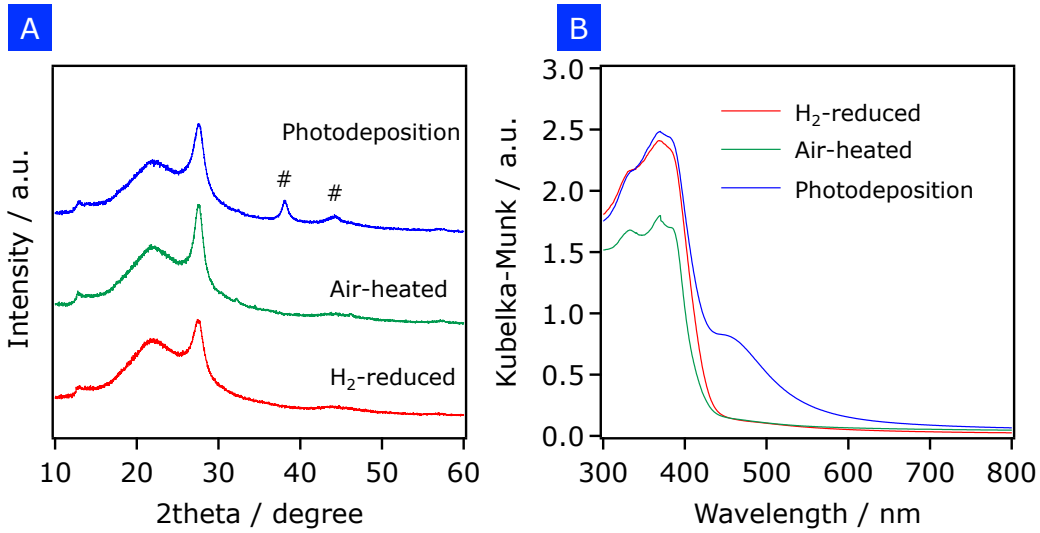

Fig. S2. (A) XRD patterns and (B) diffuse reflectance spectra of 2.0 wt% Ag-modified NS-C_3N_4 prepared at different conditions. The # mark in the panel (A) is assigned to (111) diffraction peak of Ag^0. A broad peak at around 22 degree in XRD patterns originated from a glass folder for the measurement.