Ammonia Borane Nanofibers Supported by Poly(vinyl pyrrolidone) for Dehydrogenation

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Fig. S1 SEM micrographs of AB-PVP nanofibers with various AB concentrations of (a) 5 wt %, (b) 10 wt %, (c) 20 wt % and (d) 25 wt %, and AB-MgCl₂-PVP nanofibers (AB content of 19 wt %) with different MgCl₂ concentrations of (e) 1 wt %, (f) 3 wt % and (g) 5 wt %.
Fig. S2 SEM micrographs of (a) ES-PVP/AB and (b) ES-PVP/AB+MgCl₂ when heated to 200 °C, and (c) ES-PVP/AB after calcined at 550 °C for 3 h.
Fig. S3 FTIR spectra of (a) neat AB (black), PVP (green), ES-PVP/AB (red) and ES-PVP/AB+MgCl₂ (blue), (b) magnified picture of the rectangular area marked in (a).
**Fig. S4** FTIR spectra of ES-PVP/AB (a) before thermal decomposition and (b) when heated to 200 °C.