

Electronic Supplementary Information

**Waste-biomass-derived activated carbon supported Co–Cu–P nanocatalysts for hydrolytic dehydrogenation of ammonia borane**

Lei Wei,\* Yanhong Lu, Ruixuan Lu, Yuxin Cui

College of Chemistry and Materials Science, Langfang Normal University, Langfang 065000, P. R. China

\*Corresponding author. E-mail: [weilei@lfnu.edu.cn](mailto:weilei@lfnu.edu.cn)

Table S1 ICP analysis results of the prepared catalysts

Sample	Co content (wt%)	Cu content (wt%)	P content (wt%)
CoP/AC	8.92	0	2.26
Co <sub>0.8</sub> Cu <sub>0.2</sub> P/AC	7.23	1.75	2.13
Co <sub>0.6</sub> Cu <sub>0.4</sub> P/AC	5.44	3.40	2.24
Co <sub>0.4</sub> Cu <sub>0.6</sub> P/AC	3.47	5.31	2.21
Co <sub>0.2</sub> Cu <sub>0.8</sub> P/AC	1.66	7.34	2.09
CuP/AC	0	8.83	1.92

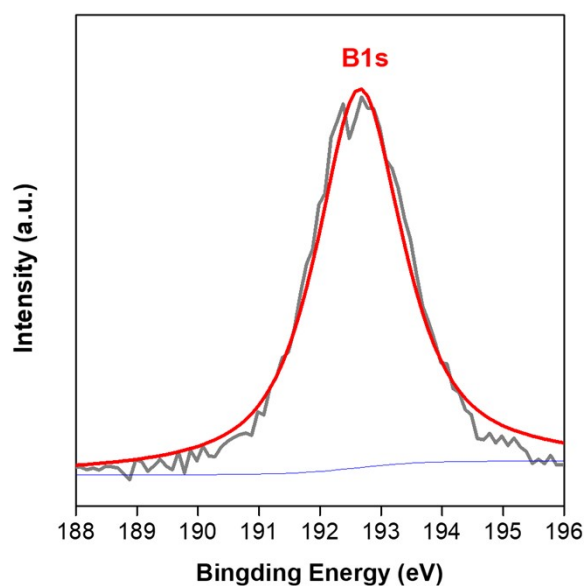


Fig. S1 High-resolution XPS spectrum of B 1s of the reused catalyst.