Cobalt nanoparticles embedded in porous N-doped carbon as a long–life catalyst for hydrolysis of ammonia borane

Table S1 The content of N, C and Co element in Co@N-C composites.

Co@N-C	N wt%	C wt%
600-1h	5.04	62.2
700-1h	1.46	68.77
800-1h	0.69	69.57

Table S2 The content of Co determined by ICP-AES

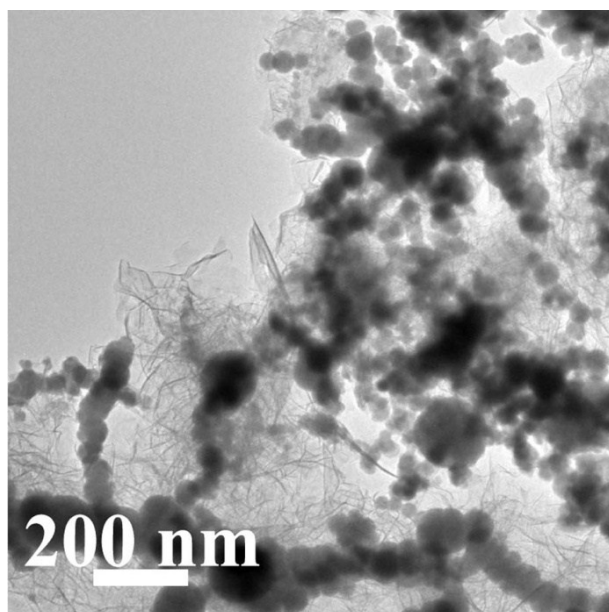| Catalysts	Co/N-C-600	Co/N-C -700	Co/N-C -800	Co-N-C
Co wt%	16.5	19.7	25.3	24.8

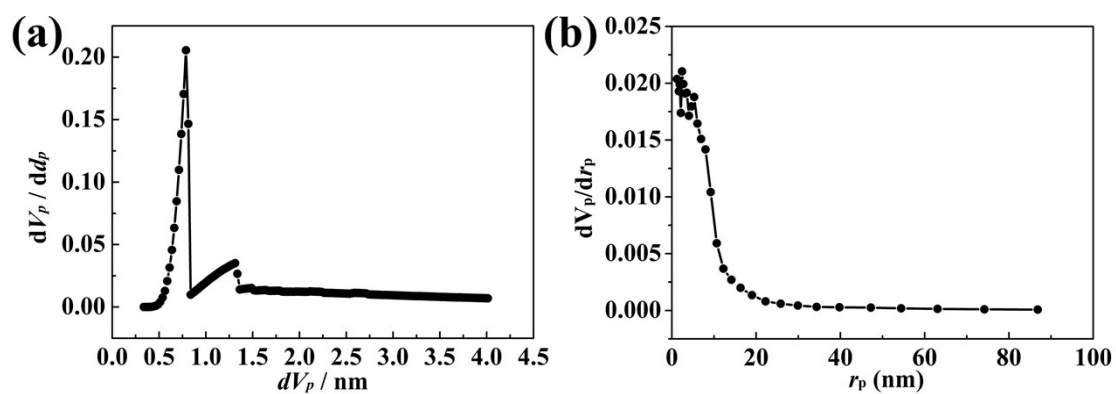Fig. S1 TEM image of Co/N-C catalyst.

Fig. S2 (a) Micropore and (b) mesopore size distribution of Co@N-C-700 determined from the Horvath-Kawazoe (HK) method and Barrett-Joyner-Halenda method, respectively.