Electronic Supplementary information (ESI)

Electrochemcal redox mechanism of Co-B-H anode material and its optimization by a novel electrolyte additive

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Table S1. ICP-AES results of as-prepared Co-B-H samples

KBH ₄	Co (at.%)	B (at.%)
0.5 M	70.1	29.9
1.0 M	66.8	33.2
2.0 M	49.8	50.2

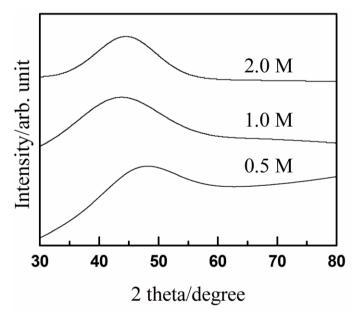


Fig. S1 XRD patterns of the as-prepared Co-B-H samples.

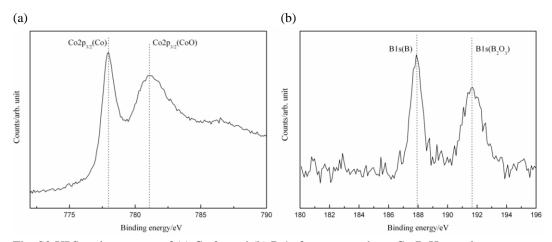


Fig. S2 XPS region spectra of (a) Co 2p and (b) B 1s for an amorphous Co-B-H sample.

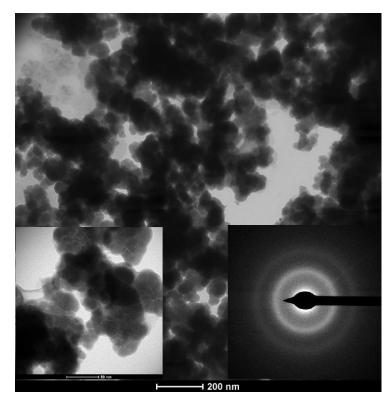


Fig. S3 TEM images of the $\text{Co}_{2.012}\text{BH}_y$ sample.

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