

Supporting Information

Highly dispersed cobalt oxide constructed in confined space for oxygen evolution reaction

Meng-Xuan Gu,^{†,1} Yu Kou,^{†,1} Shi-Chao Qi,¹ Ming-Qi Shao,¹ Ming Bo Yue,² Xiao-Qin Liu,^{*,1} and Lin-Bing Sun^{*,1}

1. State Key Laboratory of Materials-Oriented Chemical Engineering, Jiangsu National Synergetic Innovation Center for Advanced Materials (SICAM), College of Chemical Engineering, Nanjing Tech University, 30 Puzhu South Road, Nanjing 211816, China. 2. Key Laboratory of Life-Organic Analysis, School of Chemistry and Chemical Engineering, Qufu Normal University, 57 Jingxuan West Road, Qufu 273165, China.

*Email: liuxq@njtech.edu.cn; lbsun@njtech.edu.cn

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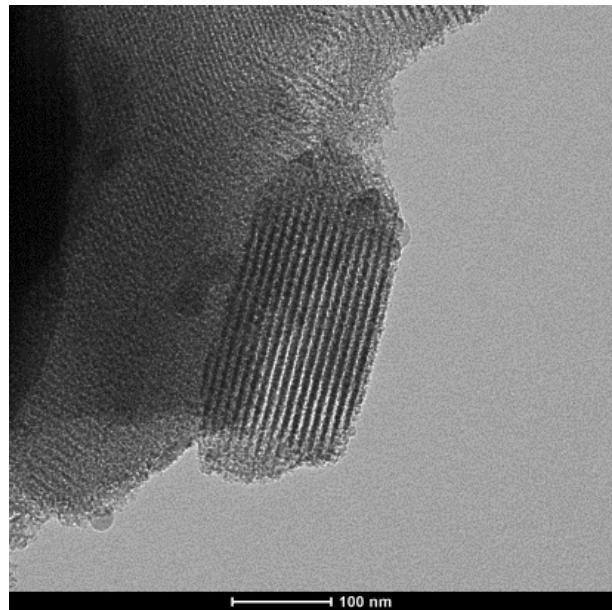


Fig. S1 Bright-field TEM images of SBA-15.

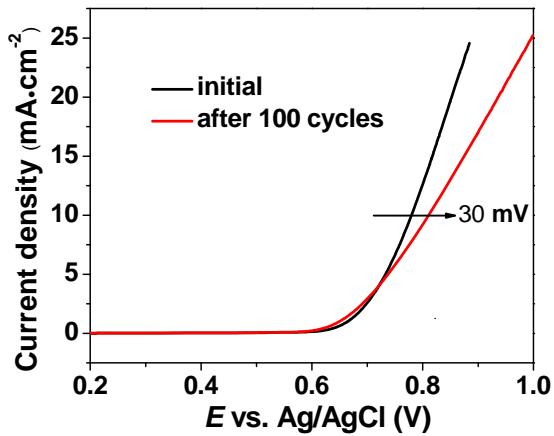


Fig. S2 Before and after 100th CV scans of 4CoCS with an oxide catalysts loading of 0.361 mg cm⁻² disk supported on a RDE in O₂-saturated 0.1 M KOH electrode at a scan rate of 10 mV s⁻¹ (1600 rpm).

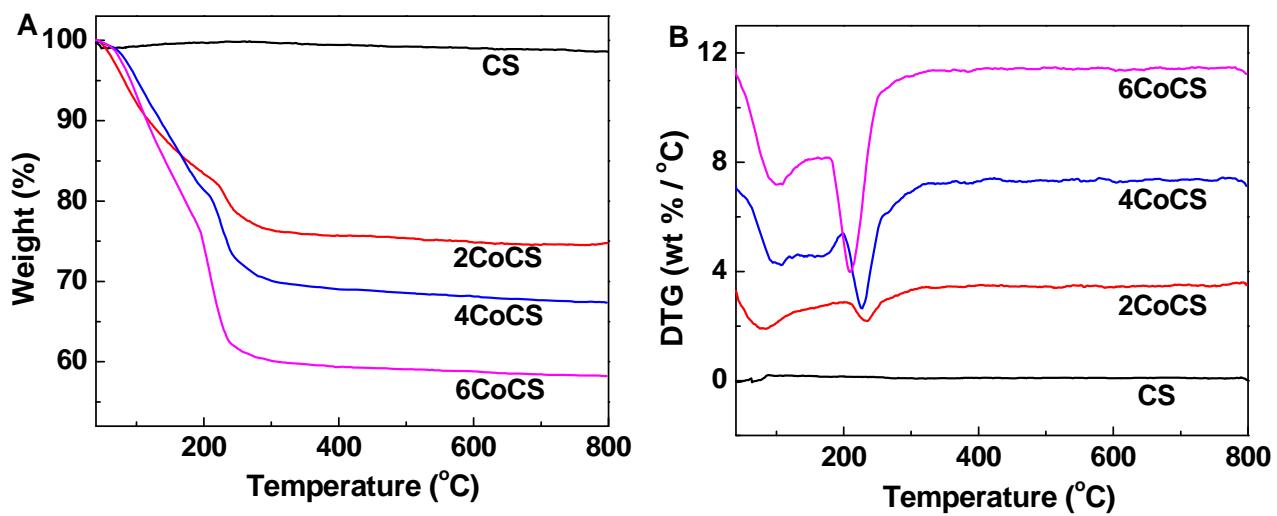


Fig. S3 (A) TG and (B) DTG curves of the samples CS, 2CoCS, 4CoCS, and 6CoCS.

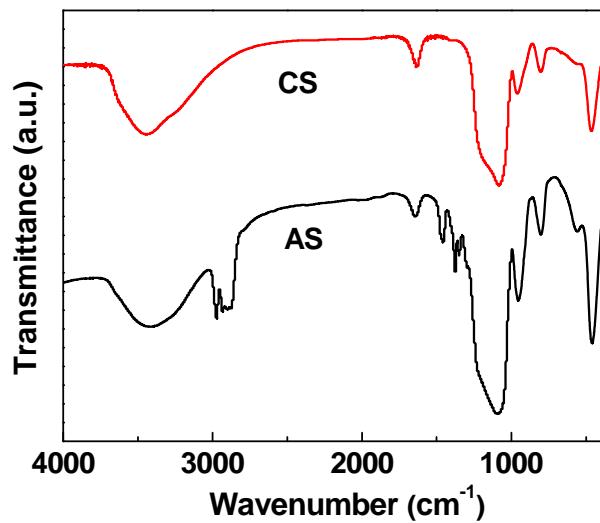


Fig. S4 IR spectra of AS and CS samples.

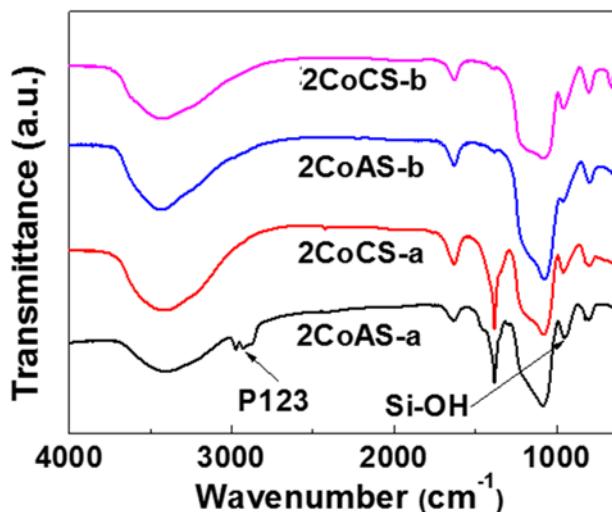


Fig. S5 IR spectra of 2CoAS and 2CoCS samples before calcination (a) and after calcination (b).

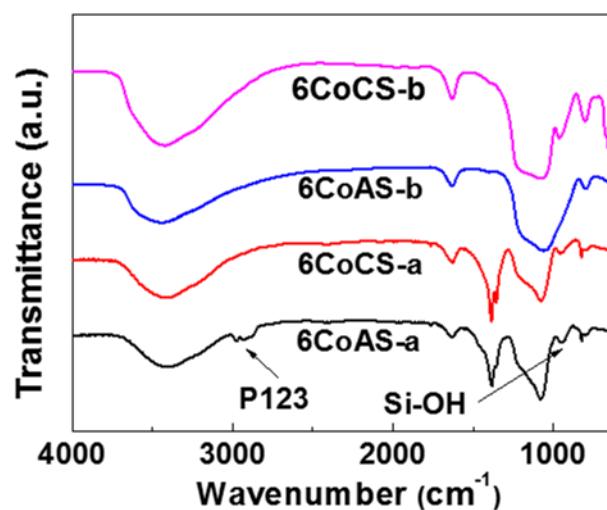


Fig. S6 IR spectra of 6CoAS and 6CoCS samples before calcination (a) and after calcination (b).