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Electronic Supplementary Information for Chemical Communications

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Highly stable carbon-protected cobalt nanoparticles and graphite shells

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## **Supporting Materials**

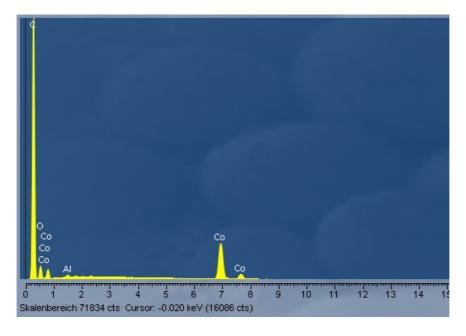


Fig. S1. EDX result of Co@C-1 after 1 month treatment in 53% HNO<sub>3</sub>. The weight ratio of C: O: Al: Co = 77.48:11.11:0.18:11.22.

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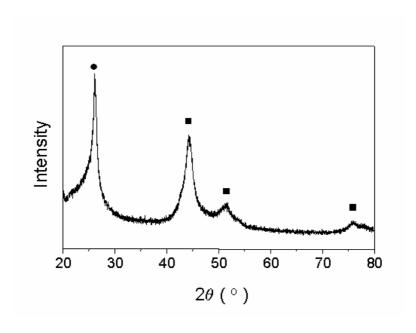


Fig. S2. XRD pattern of Co@C-1 after 53% HNO<sub>3</sub> treatment. In the XRD pattern: reflection (●) relating to the graphite; reflections (■) relating to Co [PDF 15–806]

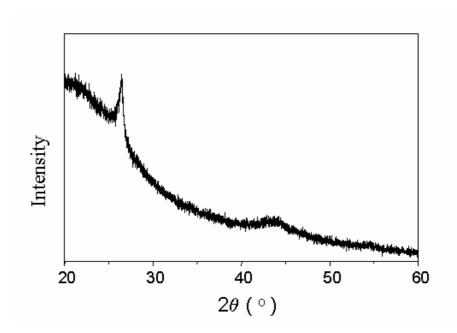


Fig. S3. Original XRD pattern of graphite shells (without background subtraction)