

Supporting information

Coronavirus-like core-shell structured Co@C for hydrogen evolution via hydrolysis of sodium borohydride

Shuyi Su ¹, Kailei Chen ^{1,2}, Xu Yang ^{1,2*}, Dai Dang ^{1,2*}

¹ School of Chemical Engineering and Light Industry, Guangdong University of Technology, Guangzhou, 510006, P. R. China;

² Jieyang Branch of Chemistry and Chemical Engineering, Guangdong Laboratory (Rongjiang Laboratory), Jieyang 515200, China;

* Correspondence: yangxu@gdut.edu.cn;

1. Figures

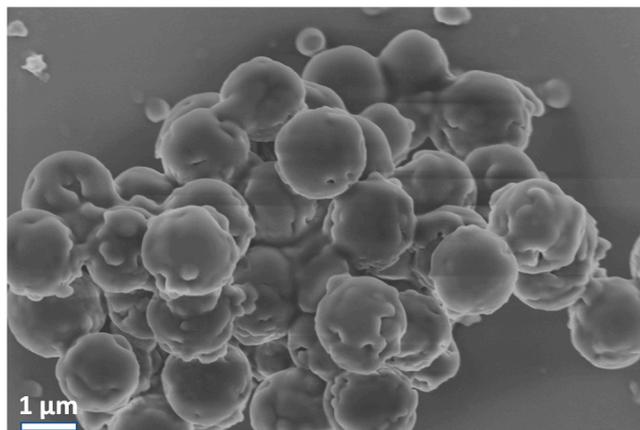


Figure S1 SEM image of Co@C-750. The nano-bumps disappear when the carbonization temperature rises to 750 °C, suggesting an optimized temperature needed for nano-bumps' growth.

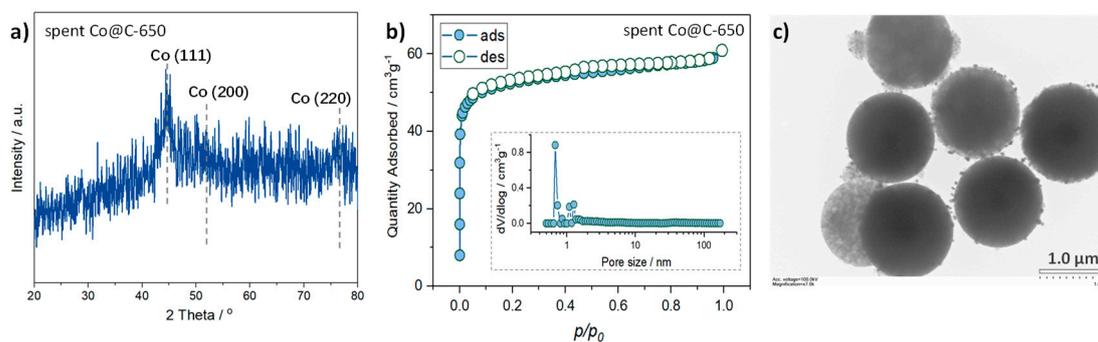


Figure S2 (a) XRD pattern and (b) nitrogen sorption with corresponding pore size distribution (inset), and (c) TEM image of the spent Co@C-650.