Synthesis and catalytic property of a facet-controlled Co_3O_4 structures enclosed by (111) and (113) facets

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Fig. S1 XRD patterns of samples obtained at different synthetic time.



Fig. S2 Crystal structures of (111), (100) and (113) facets of Co_3O_4 . (a), (b) and (c) are side view images, (d), (e) and (f) are top view images of (111), (100) and (113), respectively. The red, blue and cyan balls represent O, Co^{3+} , and Co^{2+} , respectively. The X, Y, and Z directions show scheme of the crystal structure, and the white point in (e) represents the X direction perpendicular to paper.