

Electronic Supplementary Information (ESI)

Flux growth of single-crystalline CoTiO_3 polyhedral particles and improved visible-light photocatalytic activity of heterostructured $\text{CoTiO}_3/\text{g-C}_3\text{N}_4$ composites

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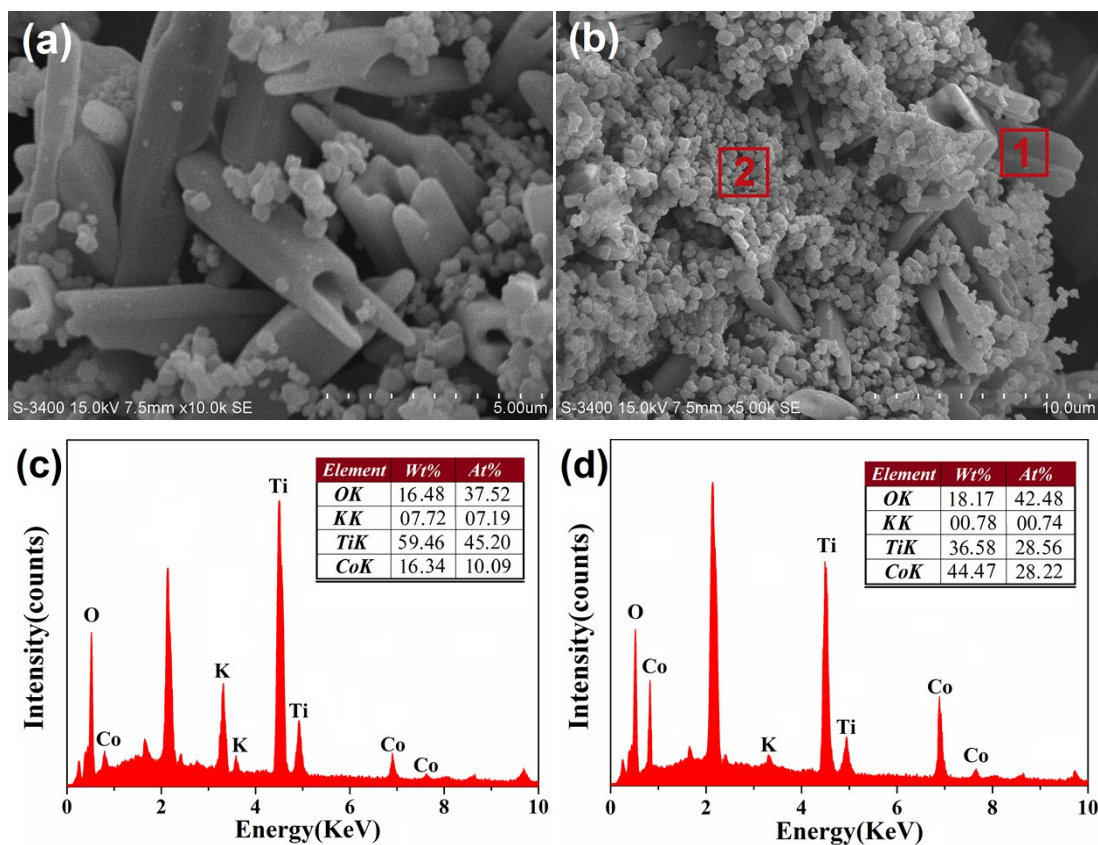


Fig. S1 (a, b) SEM images of the KCl flux-grown sample; (c, d) EDS analysis recorded at the two areas marked as “1” and “2” respectively in (b) for determining CoTiO_3 and $\text{KTi}_8\text{O}_{16.5}$ phases.

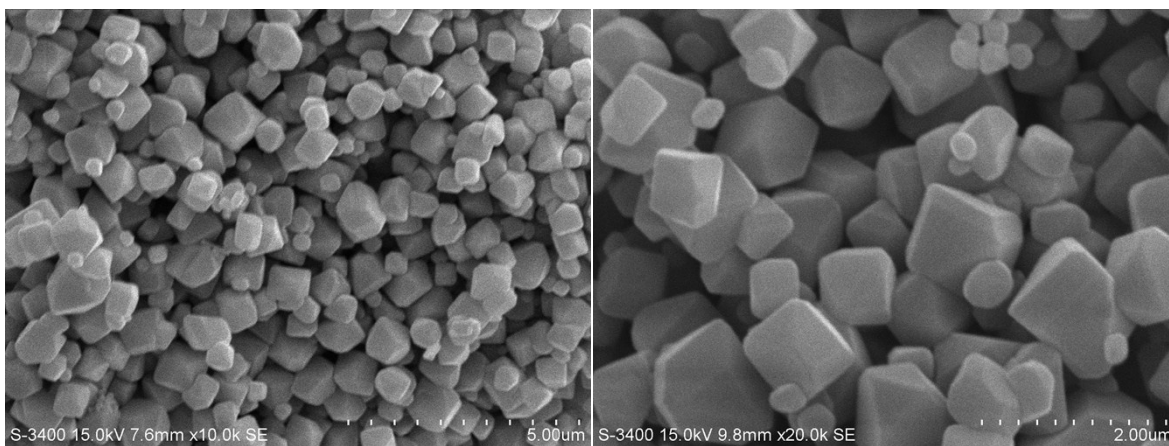


Fig. S2 Typical SEM images of the sample CTO-1.

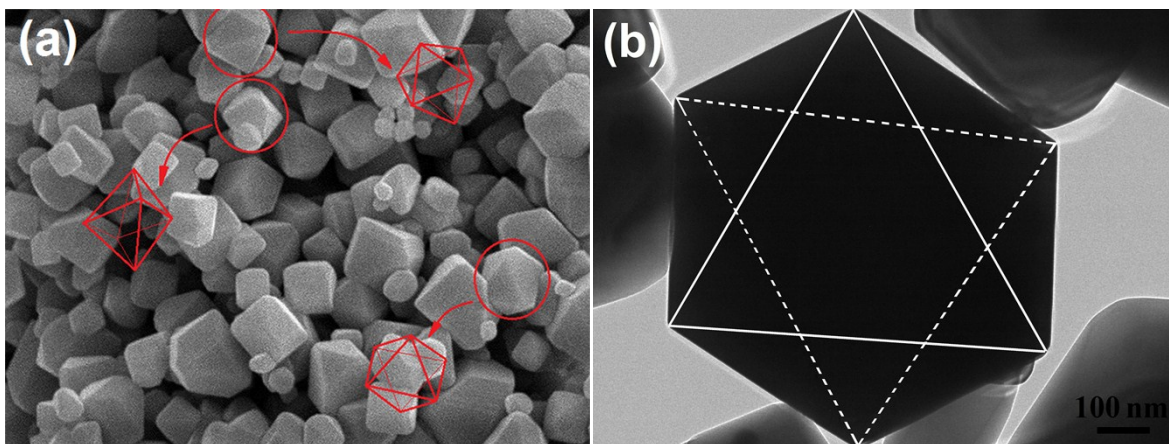


Fig. S3 (a) A magnified SEM image of sample CTO-1 obtained from Fig. 2d ; (b) TEM image of sample CTO-1 showing a well-defined CoTiO_3 octahedral particle.