

Supporting Information for:

Controllable Doping of Nitrogen and Tetravalent Niobium Affords Yellow and Black Calcium Niobate Nanosheets for Enhanced Photocatalytic Hydrogen Evolution

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Supporting Figures

Fig.S1 Rietveld refinement plots of the powder X-ray diffraction data of Yellow-KCa₂Nb₃O₁₀, Black-KCa₂Nb₃O₁₀ and KCa₂Nb₃O₁₀ in space group *P2/m*. Observed data: blue circle; Calculated intensities: red line; Difference: gray lines and Allowed Bragg reflections: bottom ticks.

Fig.S2 XRD patterns of KCa₂Nb₃O₁₀ annealed at different temperatures for 8 h.

Fig.S3 XRD patterns of KCa₂Nb₃O₁₀ with *x*% K₂CO₃ annealed at 800 °C for 1 h.

Fig.S4 SEM images of the restacked flocculates B-KCNO before (a) and after (b) photo reaction. Scale bar: 5 μm.

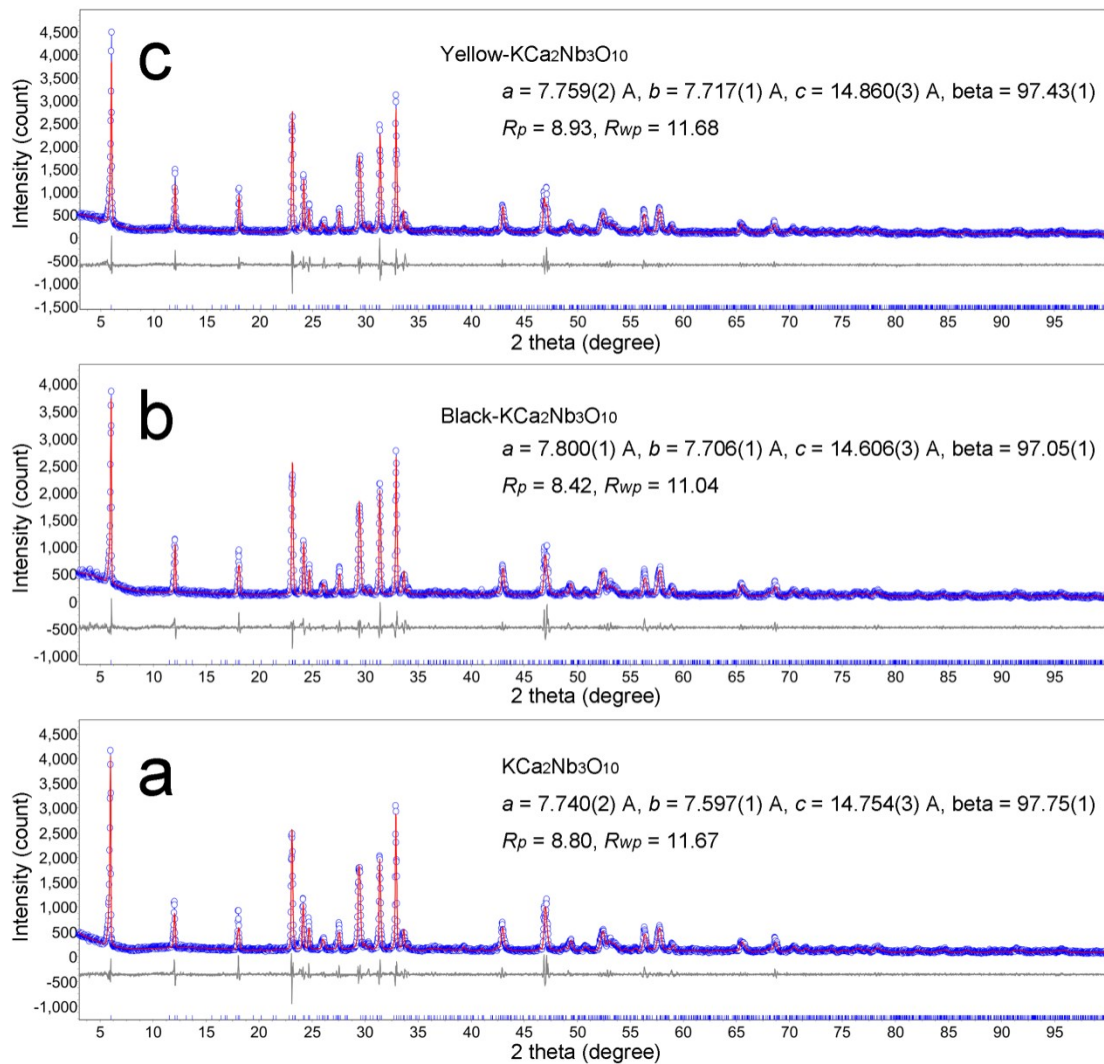


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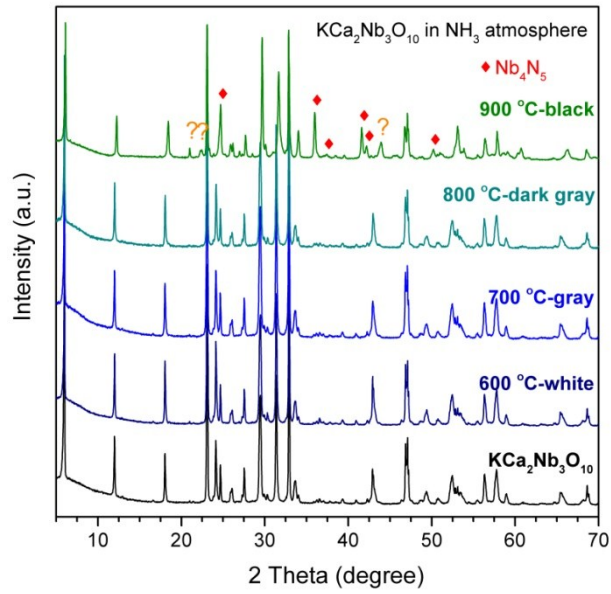


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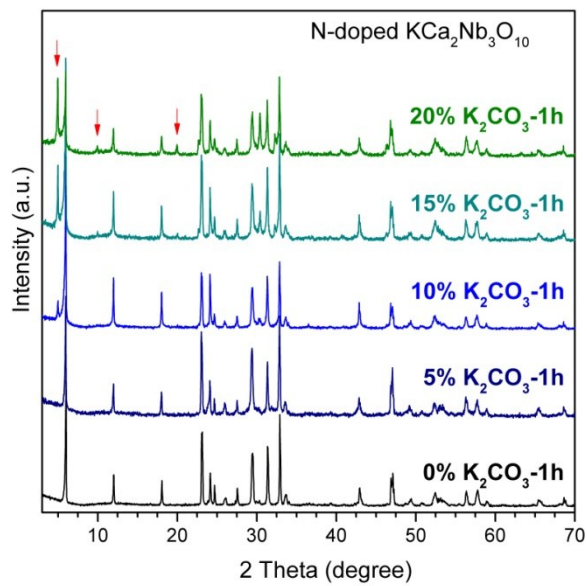


Fig.S3 XRD patterns of KCa₂Nb₃O₁₀ with $x\%$ K₂CO₃ annealed at 800 °C for 1 h.

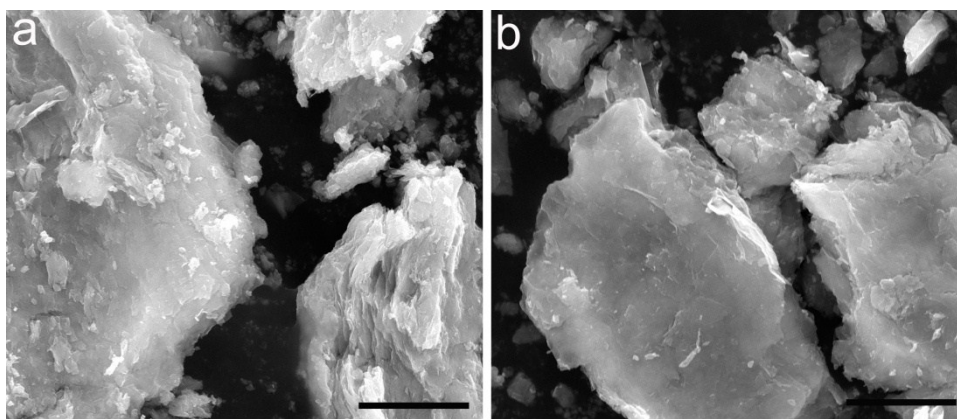


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