

Supporting Information

Direct Growth of Cr-doped TiO₂ Nanosheet Arrays on Stainless Steel with Visible-Light Photoelectrochemical Properties[†]

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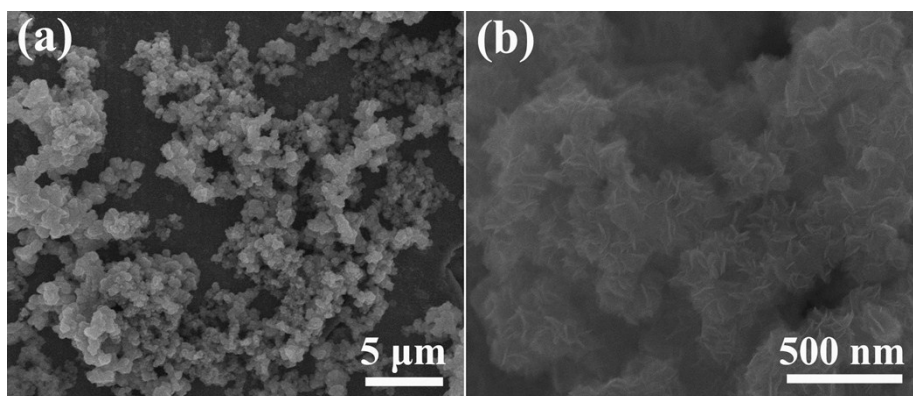


Fig.S1 SEM images of the sample prepared at 180°C for 72 h without tetramethylammonium hydroxide.

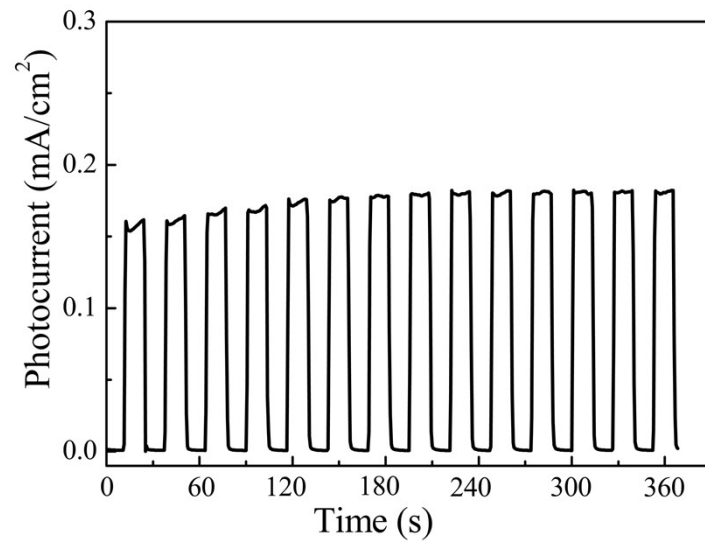


Fig. S2 Transient photocurrent response of reused Cr-TiO₂ film (36 h, annealed at 600°C) under visible light illumination.

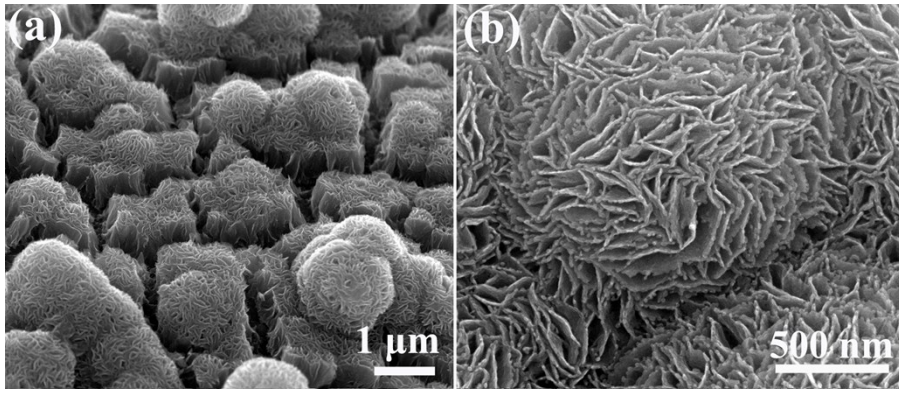


Fig.S3 Typical SEM images of the Cr-TiO₂ film (36 h) annealed at 600°C for 4h.

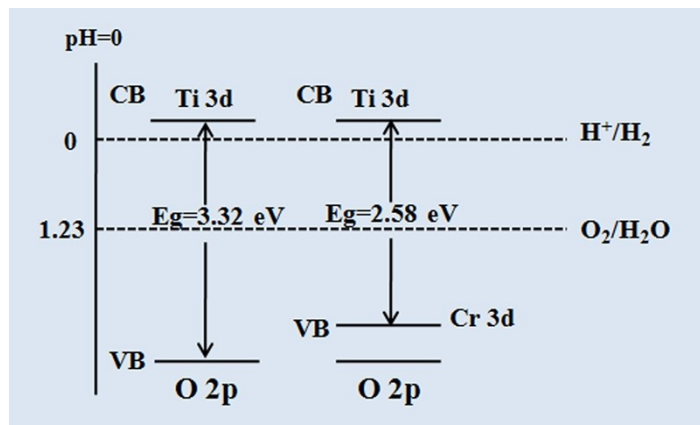


Fig.S4 Schematic band structures of TiO_2 and Cr -doped TiO_2