

Supporting Information

Cerium Synchronous Doping in Anatase for Enhanced Photocatalytic Hydrogen Production from Ethanol–Water Mixtures

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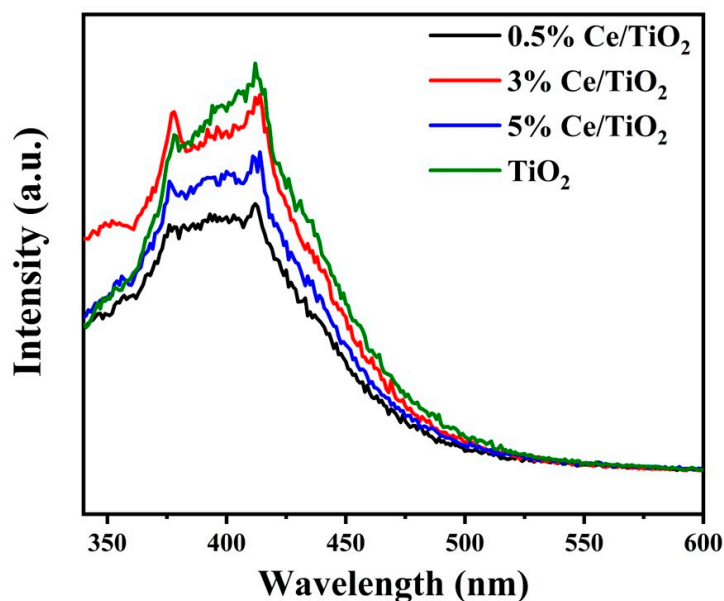


Figure S1. Fluorescence spectra of pure TiO₂, 0.5%Ce/TiO₂, 3%Ce/TiO₂, and 5%Ce/TiO₂.

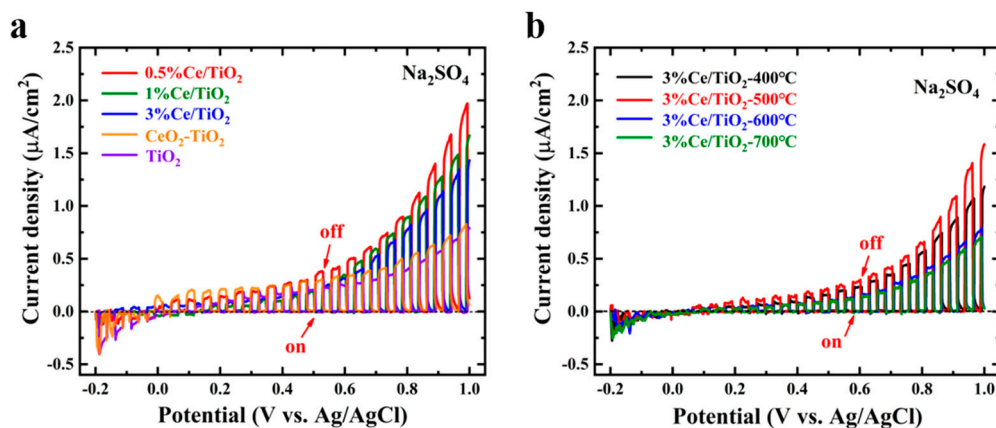


Figure S2. Chopped Linear sweep voltammetry (LSV) curves in 0.1M Na_2SO_4 under AM 1.5G light. (a) pure TiO_2 , Ce-doped TiO_2 and CeO_2 - TiO_2 , (b) 3%Ce/ TiO_2 annealed under different temperatures.

Table S1. The relative amount of Ce element obtained from ICP test.

Sample	Ti (ppb)	Ce (ppb)	atomic ratio of Ce (%)
Ce/ TiO_2	1523	21	0.472
CeO_2 - TiO_2	1917	29	0.517