

Supporting information

Enhanced H₂ evolution over Ir-doped SrTiO₃ photocatalyst by loading of Ir-cocatalyst using visible light up to 800 nm

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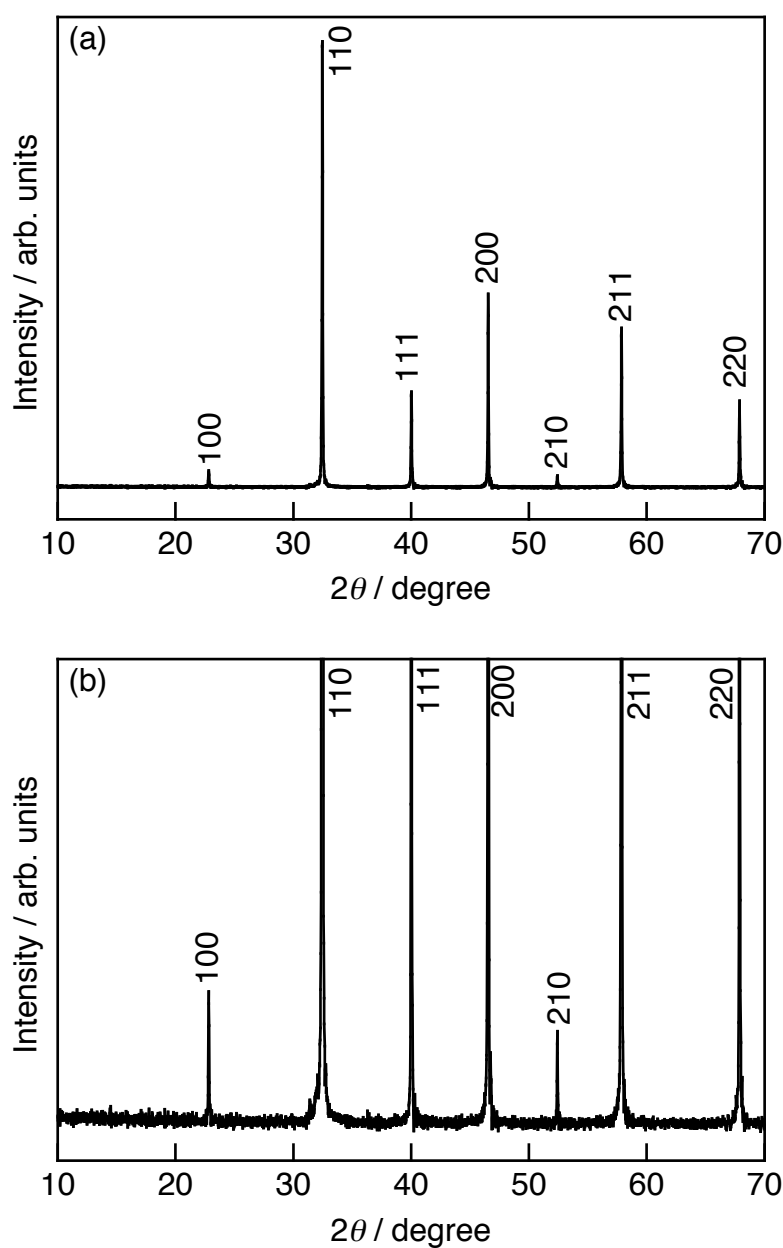


Figure S1. XRD pattern of SrTiO₃ doped with Ir(0.2%) prepared by a solid-state reaction at 1273 K. (a) Full and (b) enlarged scale.

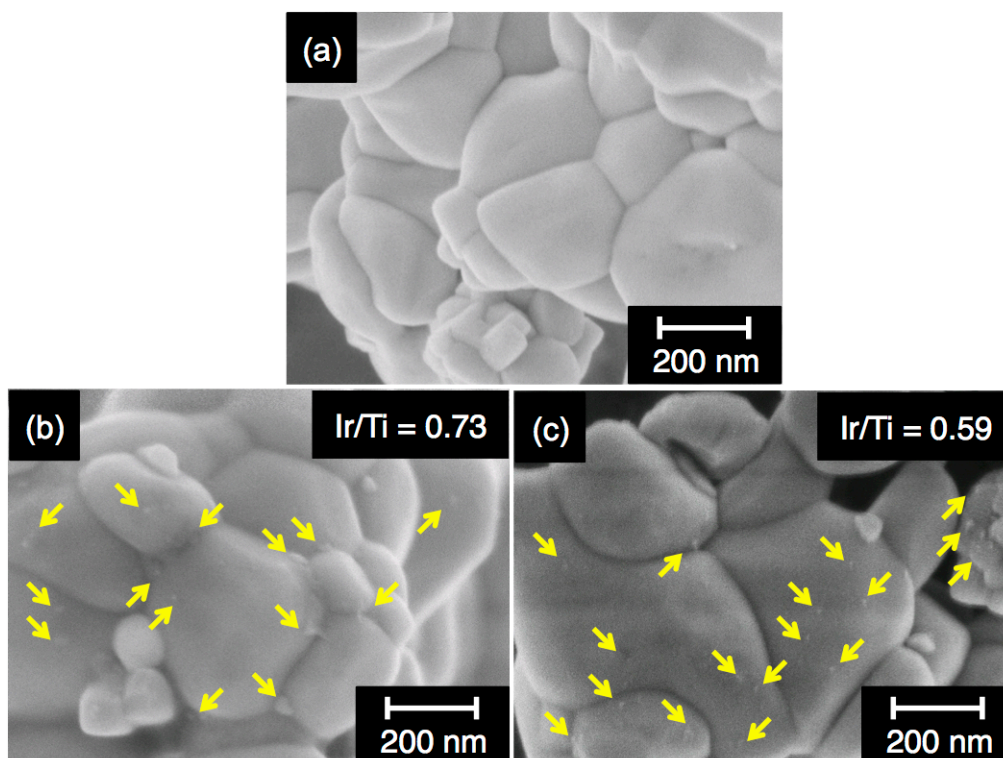


Figure S2. SEM images of (a) bare $\text{SrTiO}_3\text{:Ir}$ and (b,c) Ir-loaded $\text{SrTiO}_3\text{:Ir}$. The Ir was loaded by impregnation at 673K for 2 h (b) without and (c) with subsequent H_2 reduction at 673K for 1 h. The atomic ratio of Ir/Ti at the surface was estimated by XPS measurements.