Supporting Information

Long wavelength visible light-responsive SrTiO₃ photocatalysts doped with valence-controlled Ru for sacrificial H₂ and O₂ evolution

Sho Suzuki, ^a Akihide Iwase, ^{a,b} Akihiko Kudo ^{*a,b}

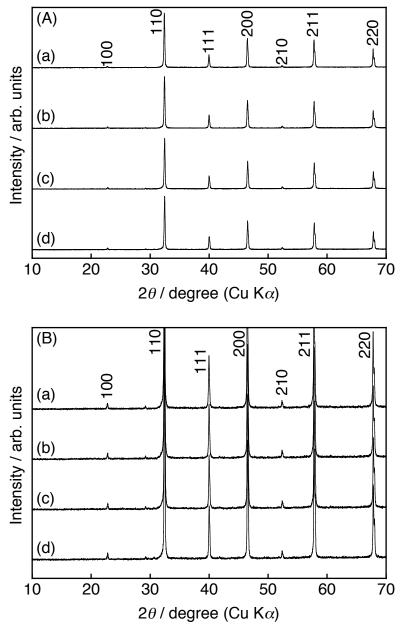


Figure S1 (A) Full and (B) enlarged XRD patterns of SrTiO₃ doped with (a) Ru(0.3%), (b) Ru(0.3%),Sb(0.45%), (c)Ru(0.3%),Nb(0.6%), and (d)Ru(0.3%),Ta(0.6%) prepared

at 1273 K for 10 h by a solid-state reaction with 1.5 at% excess Sr. $K\alpha_2$ was not eliminated. XRD peaks assigned to only $SrTiO_3$ were observed even in the enlarged XRD in Figure S1B, indicating the absence of any impurity phases.