Relating Structure, Property, and Activity of nanostructured $SrTiO_3$ and SrO-($SrTiO_3$) $_n$ (n= 1 and 2) for Photocatalytic Hydrogen Evolution

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Supporting Information

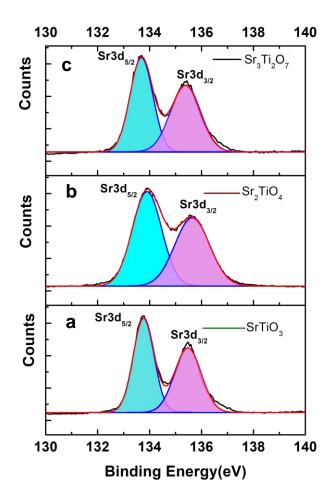


Figure S1: High Resolution Sr (3d) XPS spectra of (a) SrTiO₃, (b) Sr₂TiO₄, and (c) Sr₃Ti₂O₇.

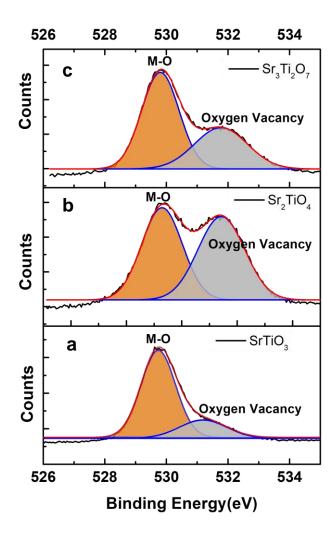
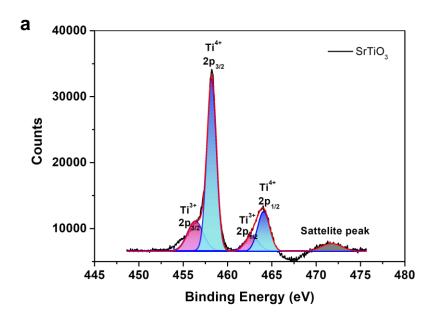
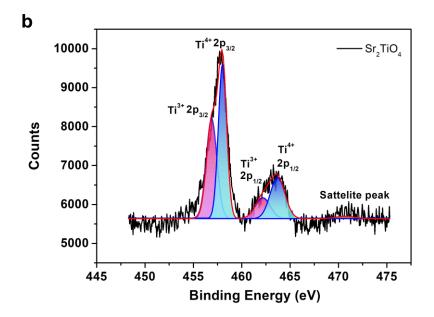


Figure S2: High Resolution O (1s) XPS spectra of (a) $SrTiO_3$, (b) Sr_2TiO_4 , and (c) $Sr_3Ti_2O_7$.





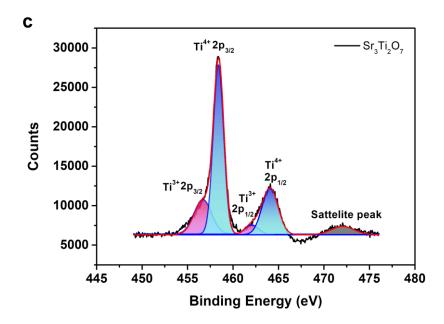


Figure S3: High Resolution Ti (2p) XPS spectra of (a) $SrTiO_3$, (b) Sr_2TiO_4 , and (c) $Sr_3Ti_2O_7$.

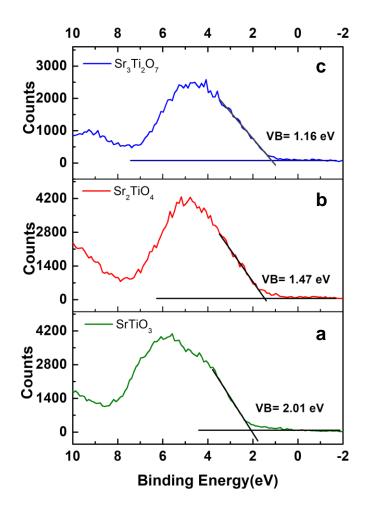


Figure S4: XPS Valence Band Spectra of (a) SrTiO₃, (b) Sr₂TiO₄ and (c) Sr₃Ti₂O₇.

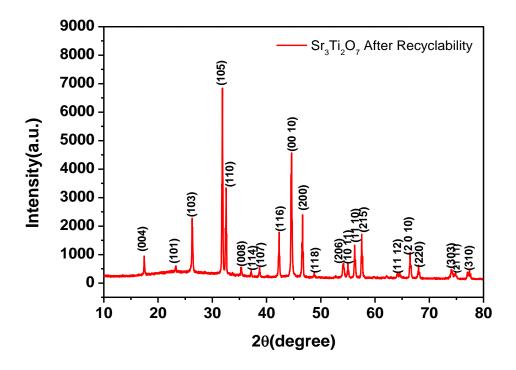


Figure S5: PXRD pattern of Sr₃Ti₂O₇ after performing recyclability studies