## Enhanced Photocatalytic Degradation of RhB Driven by Visible-Light Induced MMCT of Ti(IV)–O–Fe(II) Formed in Fe-Doped SrTiO<sub>3</sub>

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**Figure S1**. Polycrystalline X-ray diffraction patterns of the Fe-doped SrTiO<sub>3</sub> before and after HCl treatment



**Figure S2.** XPS survey spectra for (A) pure  $SrTiO_3$ , (B) the Fe-doped  $SrTiO_3$ , and (C) the Fe-doped  $SrTiO_3$  treated with HCl