

Electronic Supplementary Information

Synthesis of Cr and La-codoped SrTiO₃ Nanoparticles for Enhanced Photocatalytic Performance under Sunlight Irradiation

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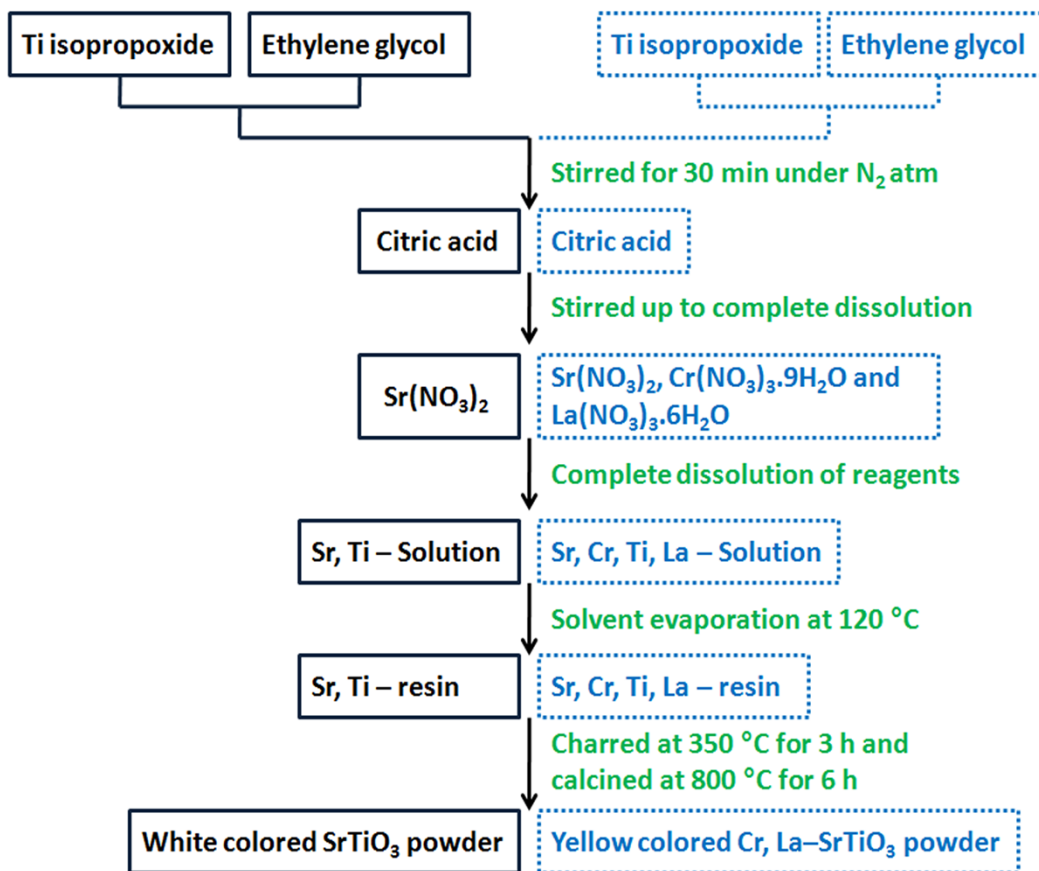


Fig. S1 Flowchart of the synthesis of pure SrTiO₃ and Cr, La-codoped SrTiO₃ samples.

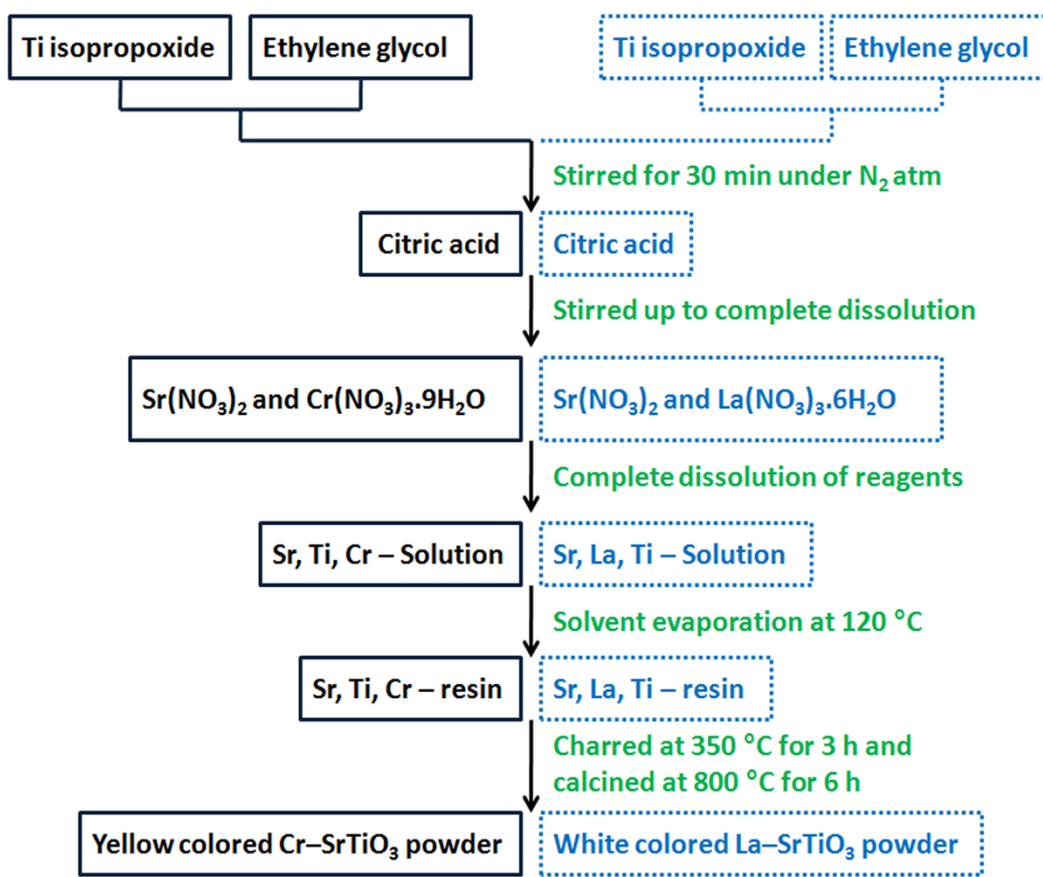


Fig. S2 Flowchart of the synthesis of 1 atom% Cr-doped SrTiO₃ and 1 atom% La-doped SrTiO₃ samples.

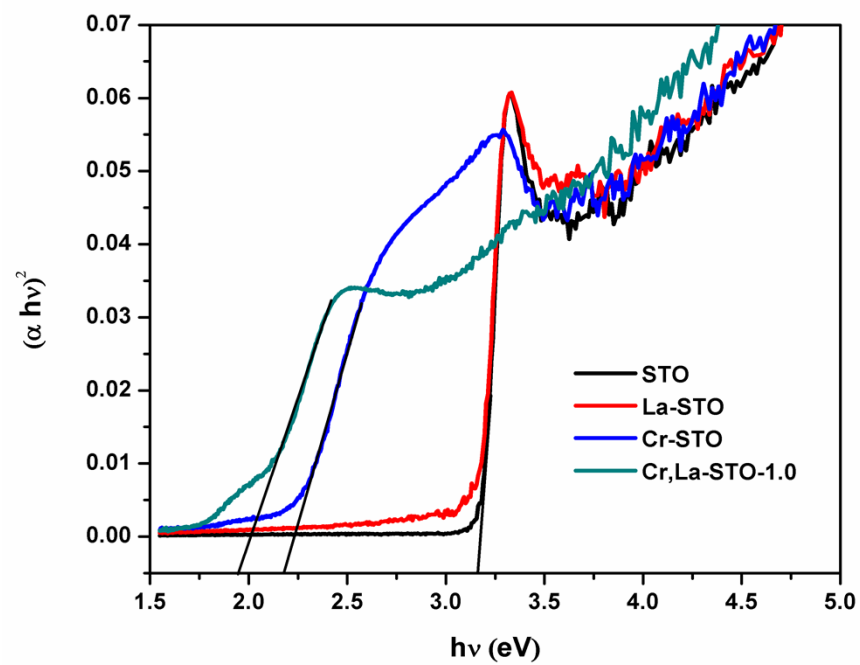


Fig. S3 The plot of transformed Kubelka–Munk function versus the energy of light.

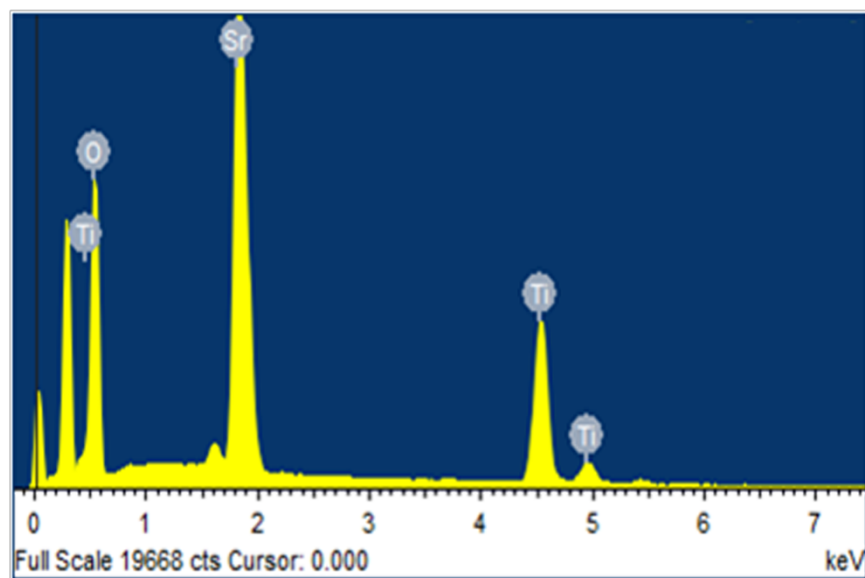


Fig. S4 EDS patterns of the synthesized pure SrTiO_3 nanoparticles.

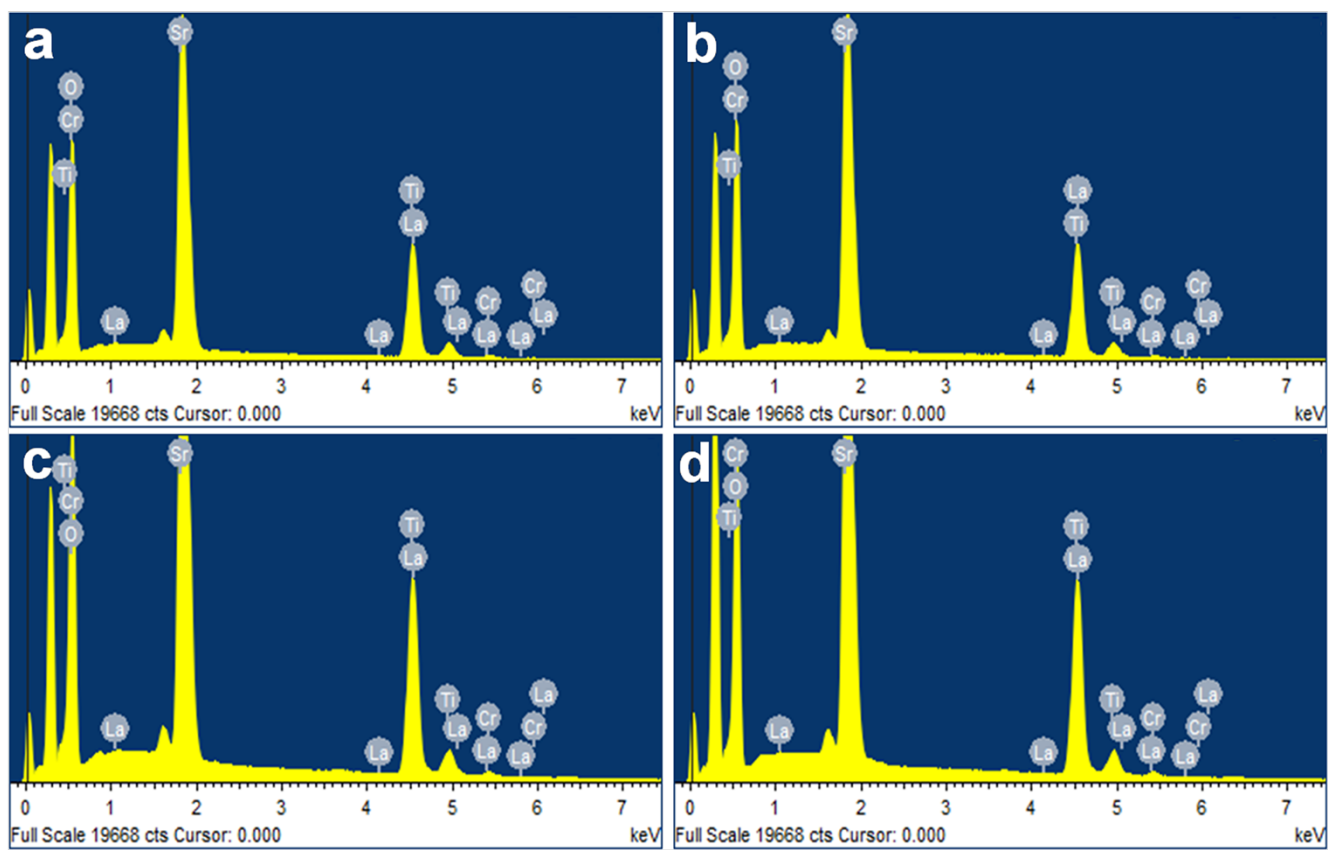


Fig. S5 EDS patterns of the synthesized Cr, La-codoped SrTiO₃ nanoparticles: a) Cr, La-STO-0.5 (b) Cr, La-STO-1.0 (c) Cr, La-STO-1.5 and (d) Cr, La-STO-2.0.

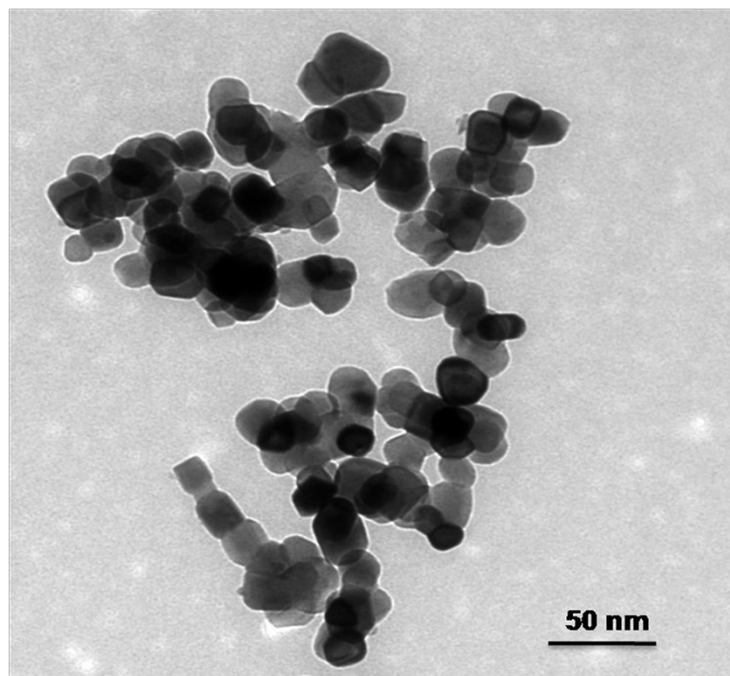


Fig. S6 TEM image of the synthesized pure SrTiO_3 nanoparticles.

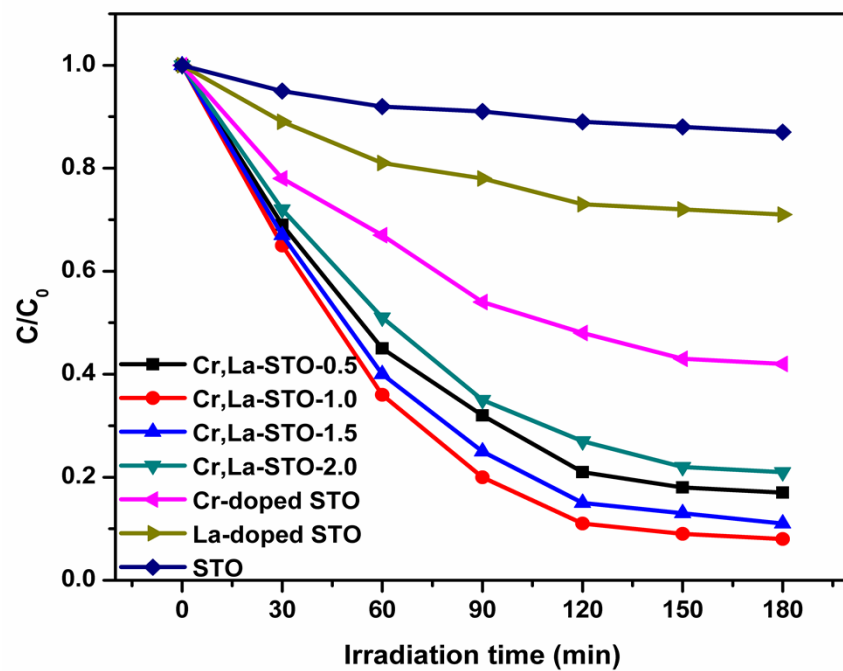


Fig. S7 Comparison of photocatalytic activity for the degradation of RhB in aqueous solution under visible light irradiation over all the synthesized samples.