

Supplementary Information

A simple way to fabricate pure anatase 2D TiO₂ IO Monolayer: structure, color control and its application in electromism

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Complete removal of PS spheres by calcination

As seen in Figure S1, the presence of the anatase TiO₂ Raman peaks and the absence of Raman peaks from PS and its calcination products, ascertains that PS is completely removed by calcination in air of the 2D TiO₂ IO film at 550 °C for 1.5 h.

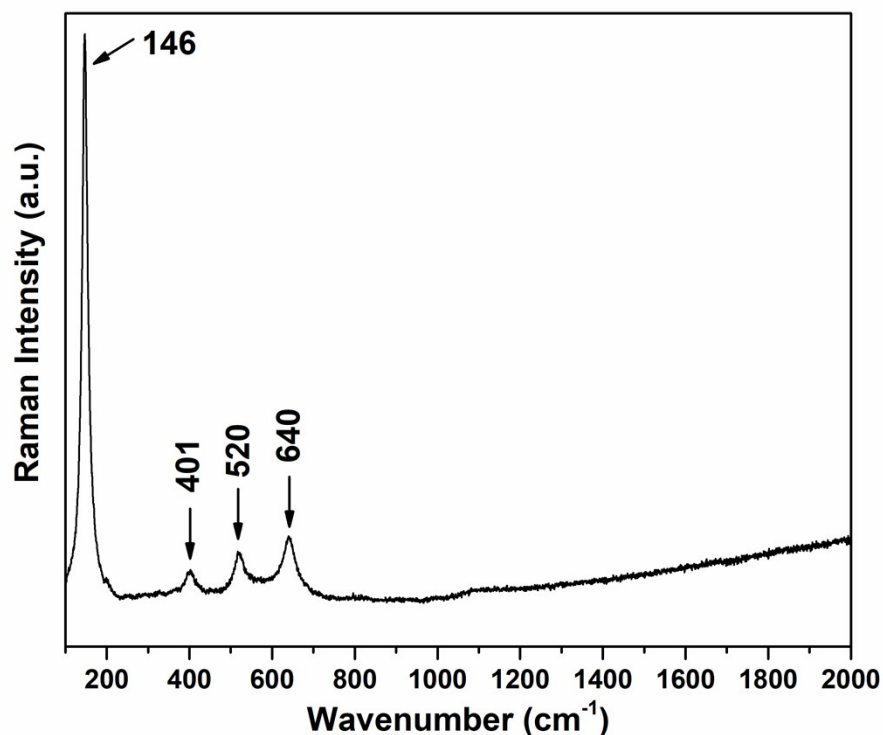


Fig. S1. Raman spectrum of a 2D TiO₂ IO sample templated from 480 nm diameter PS spheres and calcined at 550 °C for 1.5 h.