

Supporting information for

Luminescent terbium(III) complex-based titania sensing material for
fluoride and its photocatalytic properties

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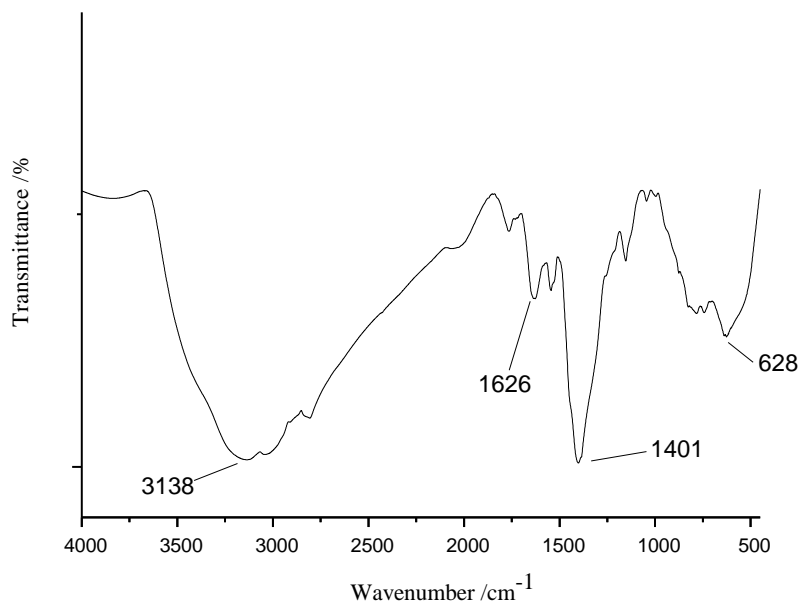


Figure S1 IR spectra of the hybrid material.

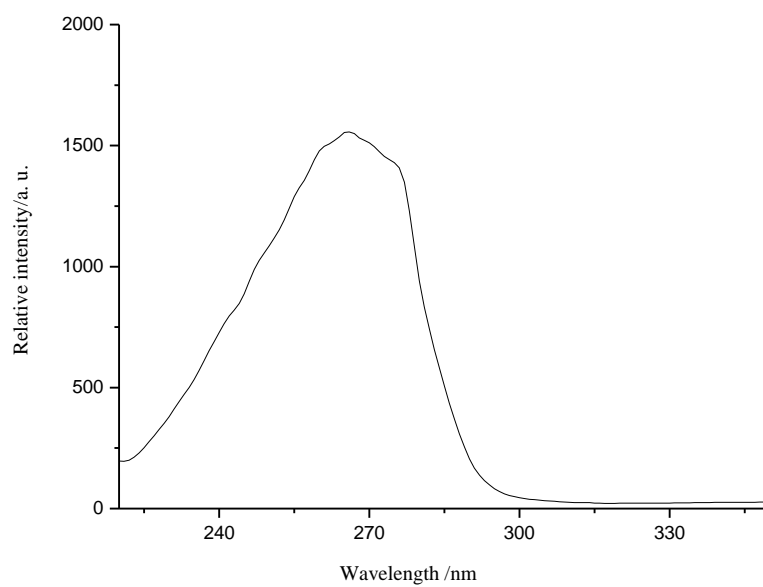


Figure S2 Excitation spectra of H_a in water ($\lambda_{em}=545$ nm).

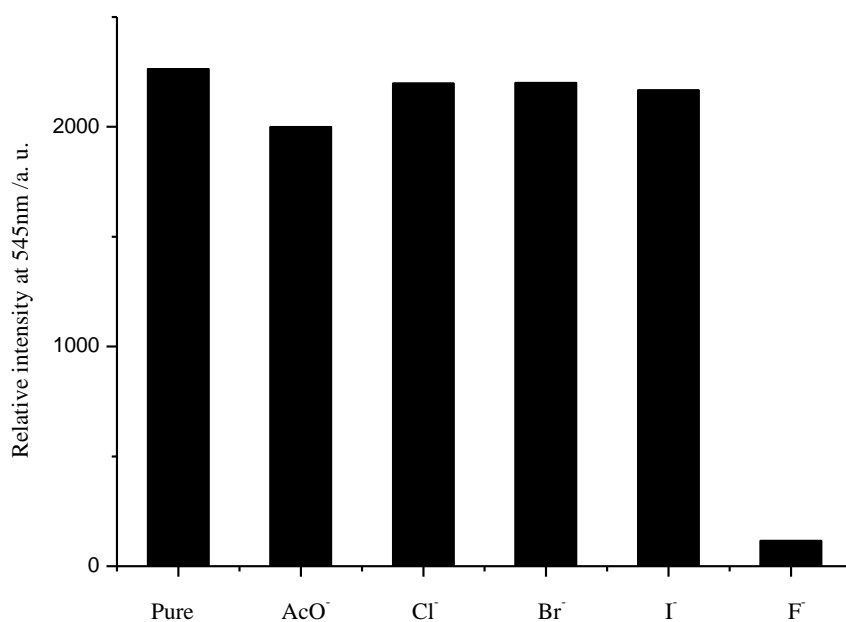


Figure S3 Plot of fluorescence intensity of H_a in water upon addition of 10⁻³ mol/L of [Bu₄N] Cl, Br, I and CH₃COO (monitored at the 545 nm).

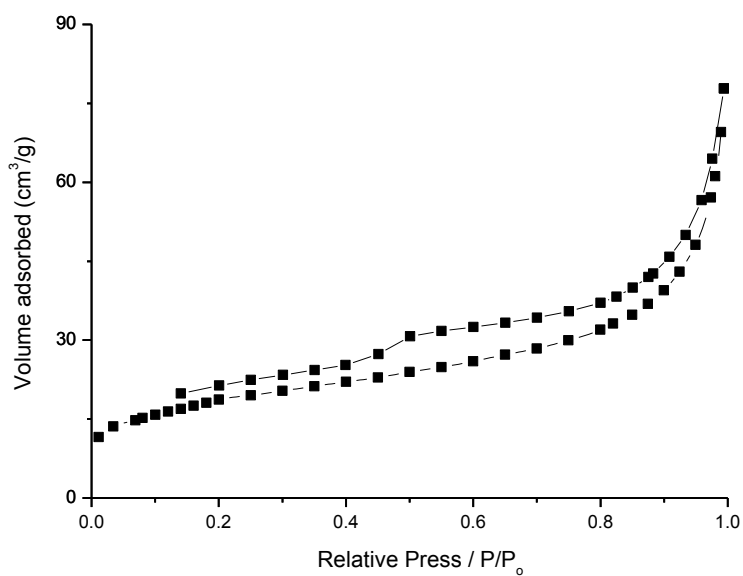


Figure S4 Nitrogen adsorption-desorption curves of the hybrid material.

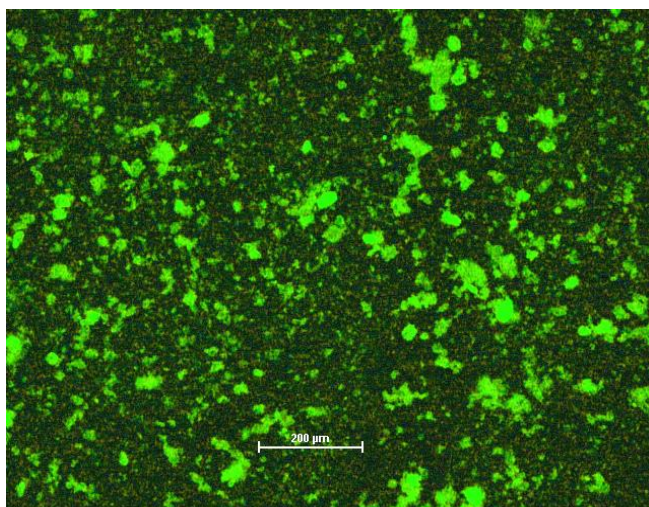


Figure S5 Fluorescence microscope of H_a.