# One-step Synthesis of LYH: Tb and LYH: Eu Film Probes and Their Application in Bacillus anthracis Recognition

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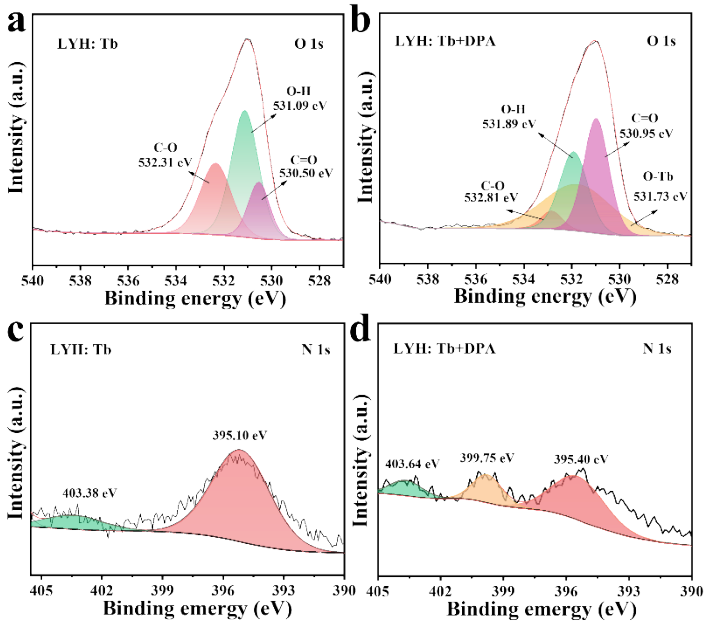


Fig. S1. XPS spectra of O1s in LYH: Tb (a), XPS spectra of O1s in LYH: Tb +DPA (b), XPS spectra of N1s in LYH: Tb (c), XPS spectra of N1s in LYH: Tb +DPA (d)

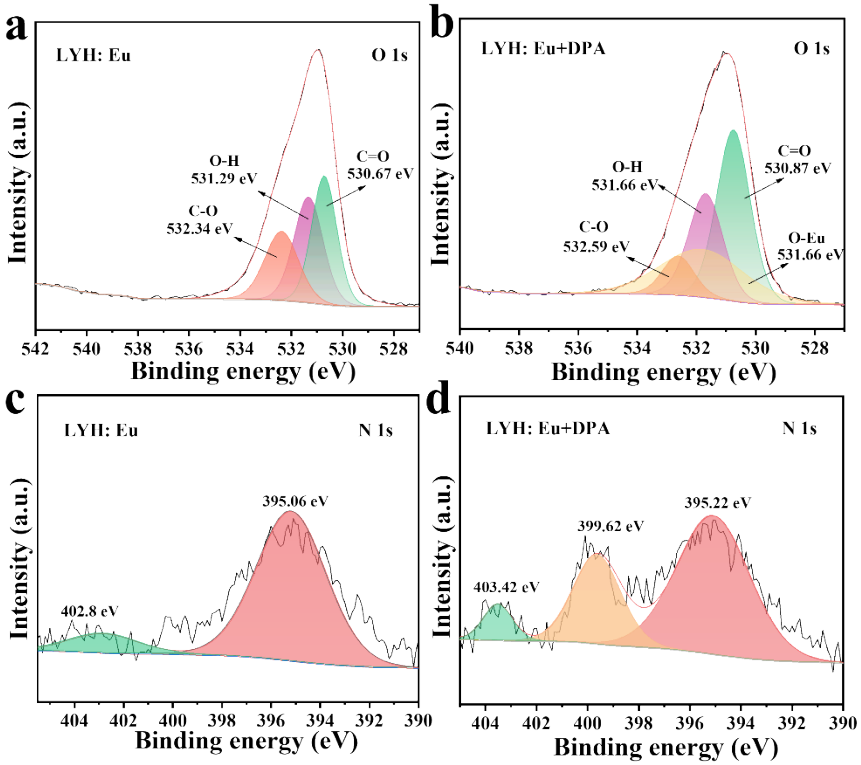


Fig. S2. XPS spectra of O1s in LYH: Eu (a), XPS spectra of O1s in LYH: Eu +DPA (b), XPS spectra of N1s in LYH: Eu (c), XPS spectra of N1s in LYH: Eu +DPA (d)

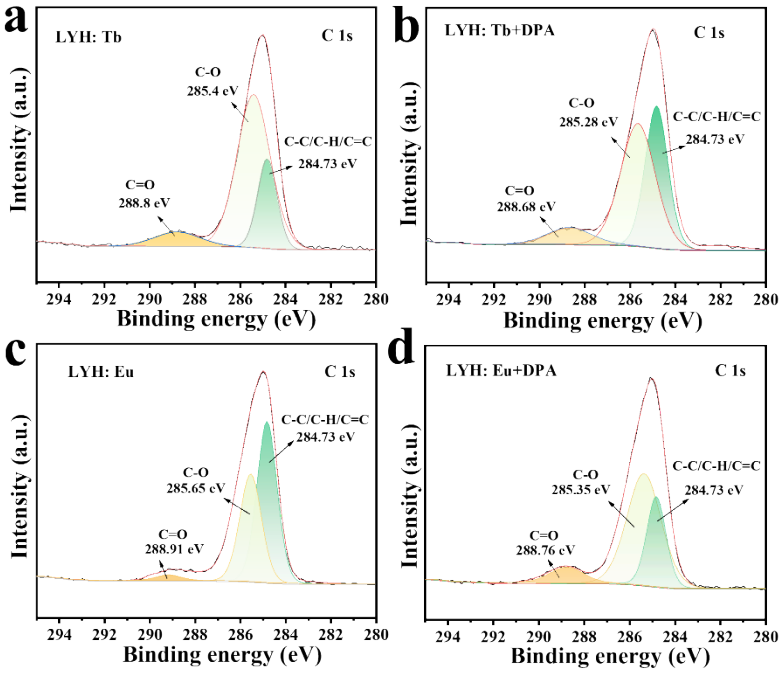


Fig. S3. XPS spectra of C1s in LYH: Tb (a), XPS spectra of C1s in LYH: Tb +DPA (b), XPS spectra of C1s in LYH: Eu (c), XPS spectra of C1s in LYH: Eu +DPA (d)

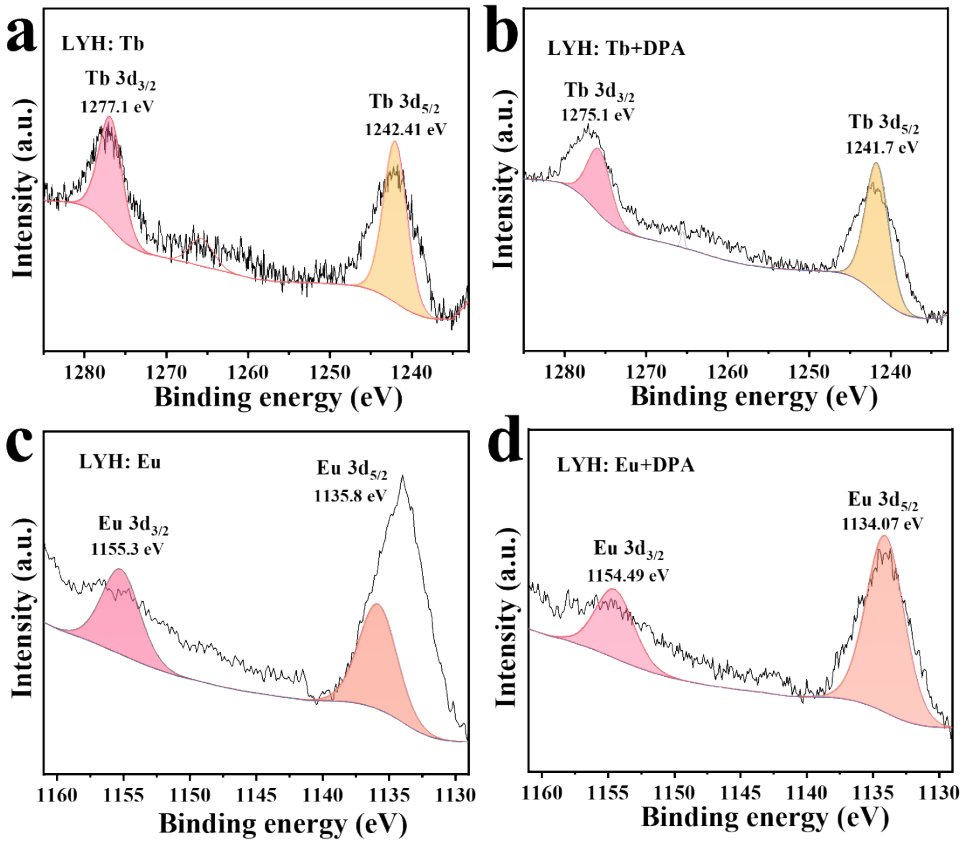


Fig. S4. XPS spectra of Tb3d in LYH: Tb (a), XPS spectra of Tb3d in LYH: Tb +DPA (b), XPS spectra of Eu3d in LYH: Eu (c), XPS spectra of Eu3d in LYH: Eu +DPA (d)

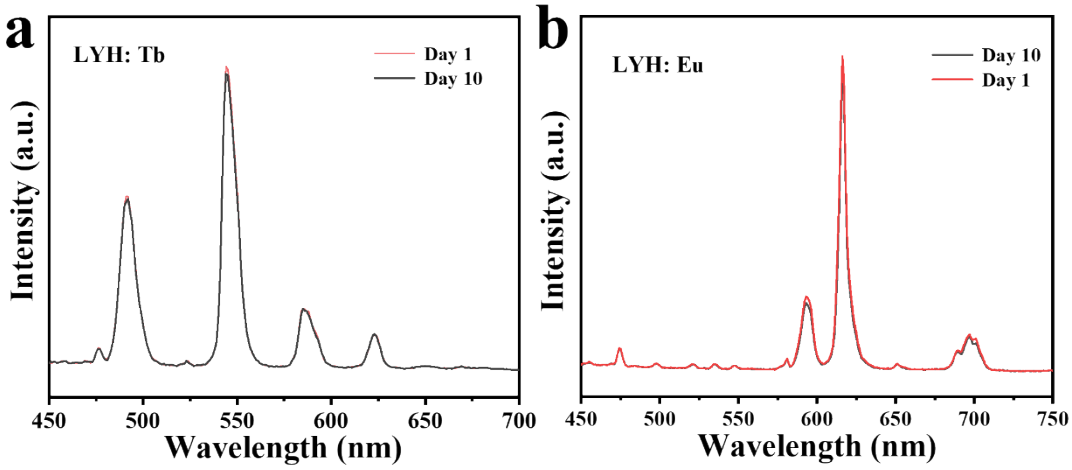


Fig. S5. The intensity of the change of LYH: Tb (a) and LYH: Eu (a) with time