

Electronic Supplementary Information†

Novel Supramolecular Luminescent Metallogels Containing Tb(III) and Eu(III) Ions with Benzene-1,3,5-tricarboxylic Acid Gelator: Advancing Semiconductor Applications in Microelectronic Devices†

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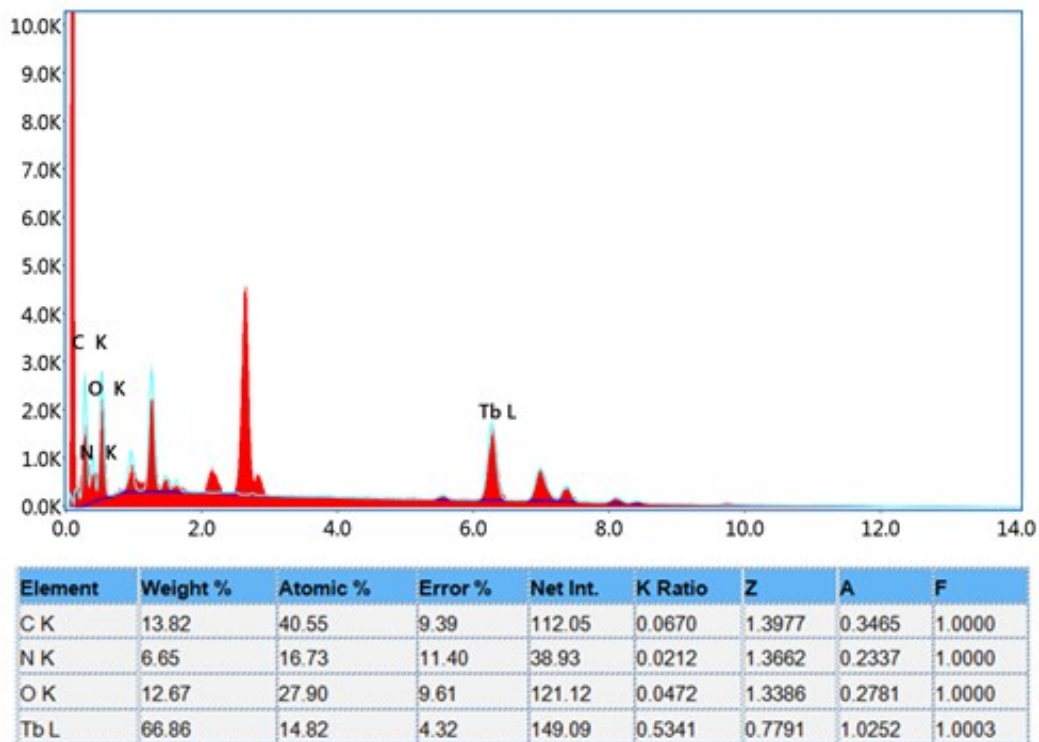


Fig. S1. EDX spectra of EuTb-TA metallogel.

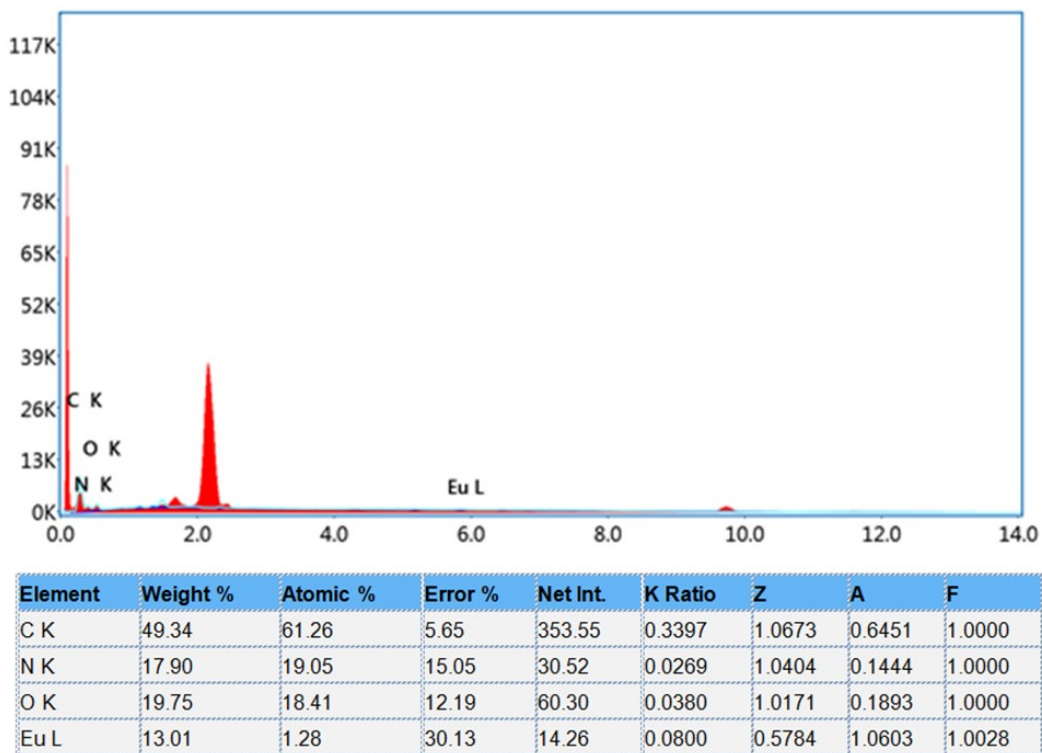


Fig. S2. EDX spectra of Eu-TA metallogel.

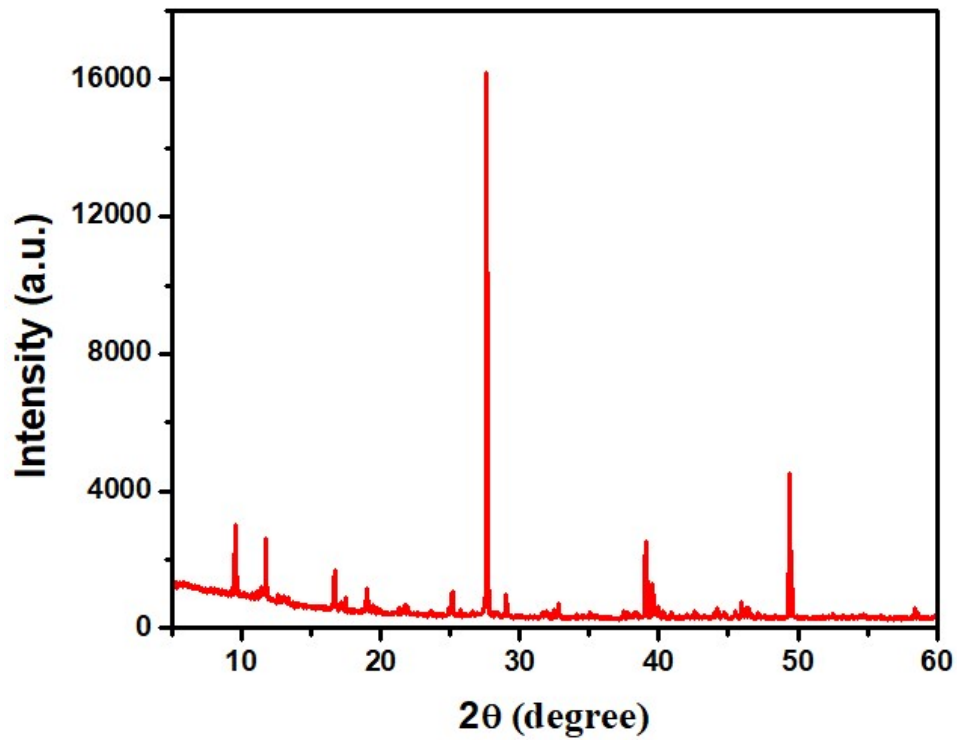


Fig. S3. The PXRd pattern of $\text{Tb}(\text{OAc})_3 \cdot \text{H}_2\text{O}$.

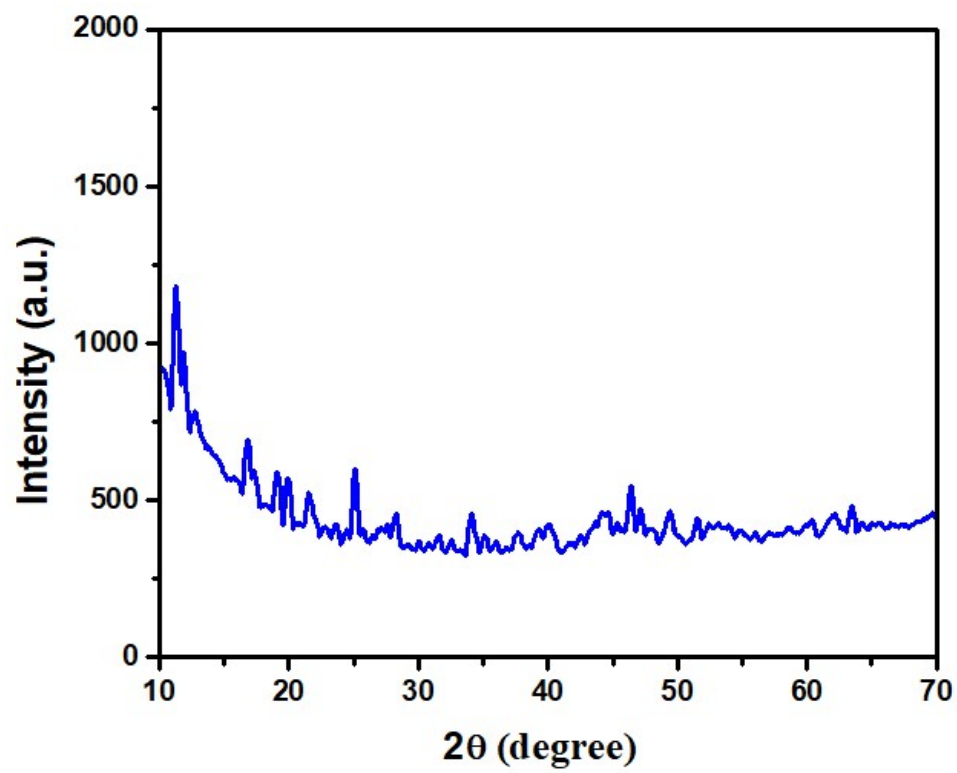


Fig. S4. The PXRd pattern of $\text{Eu}(\text{OAc})_3 \cdot \text{H}_2\text{O}$.

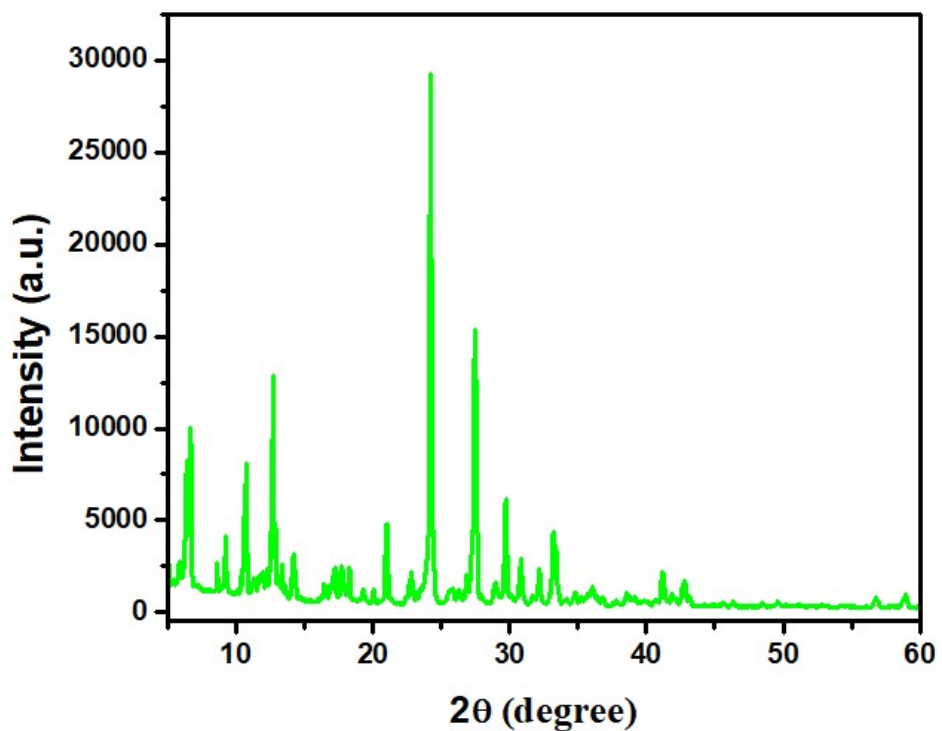


Fig. S5. The PXRD pattern of benzene-1,3,5-tricarboxylic acid.

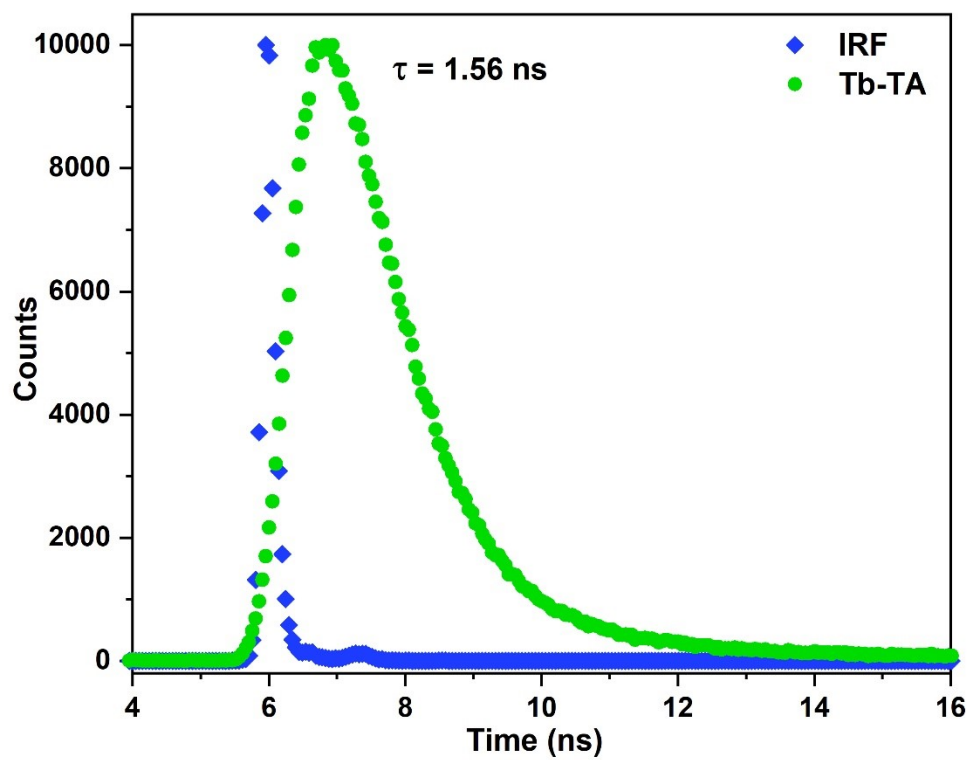


Fig. S6. Lifetime decay profile of Tb-TA metallogel where excitation (λ) was 340 nm and emission (λ) was 480 nm. IRF= instrument response function.

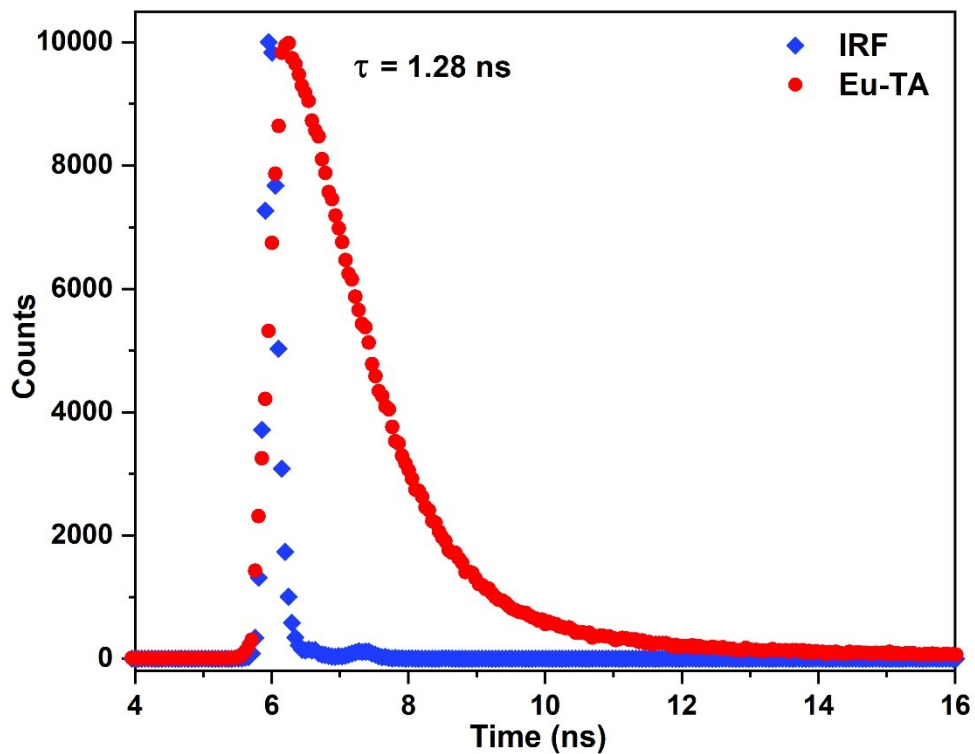


Fig. S7. Lifetime decay profile of **Eu-TA** metallogel where excitation (λ) was 340 nm and emission (λ) was 480 nm. IRF= instrument response function.

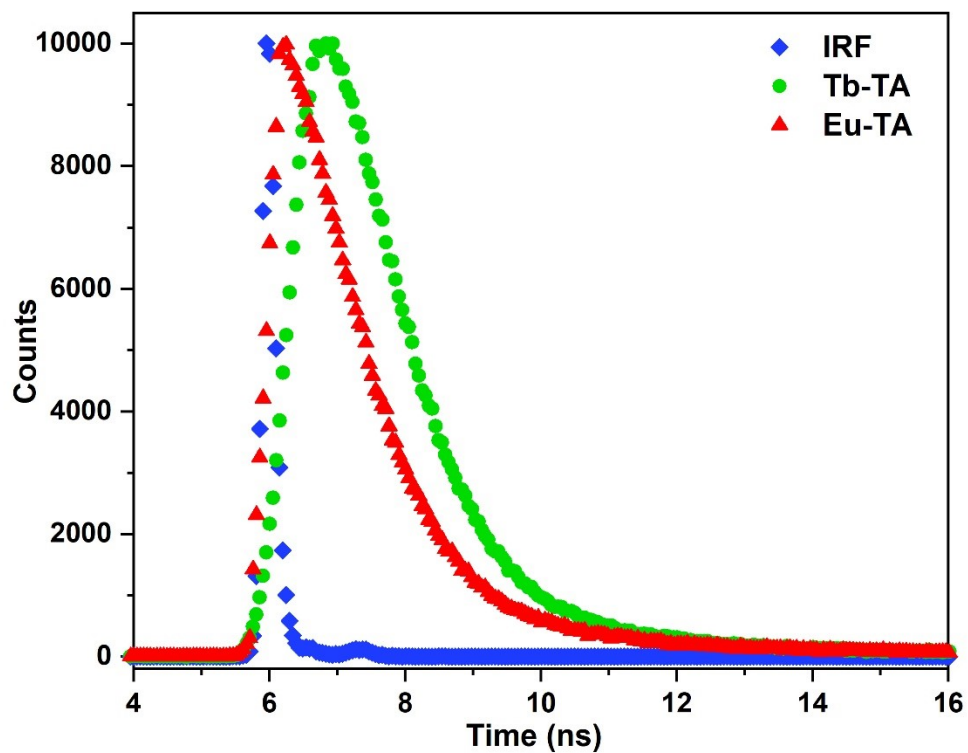


Fig. S8. Comparison of lifetime decay profile of **Tb-TA** and **Eu-TA** metallogels.