Electronic Supplementary Material (ESI) for New Journal of Chemistry.

Supporting Information

Hybrid luminescent alginate hydrogels containing lanthanide with potential for acetone sensing

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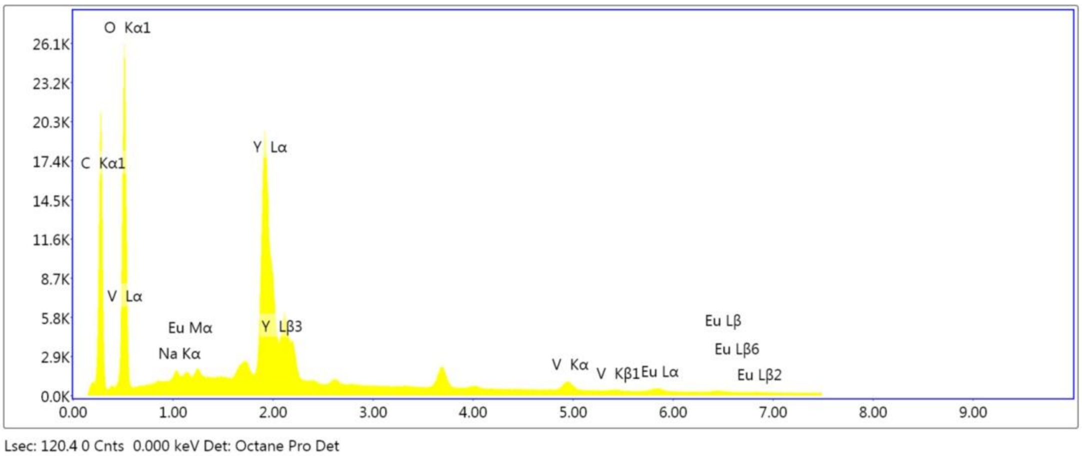

Figure S1. The EDX-analysis for the YEuAV aerogels.

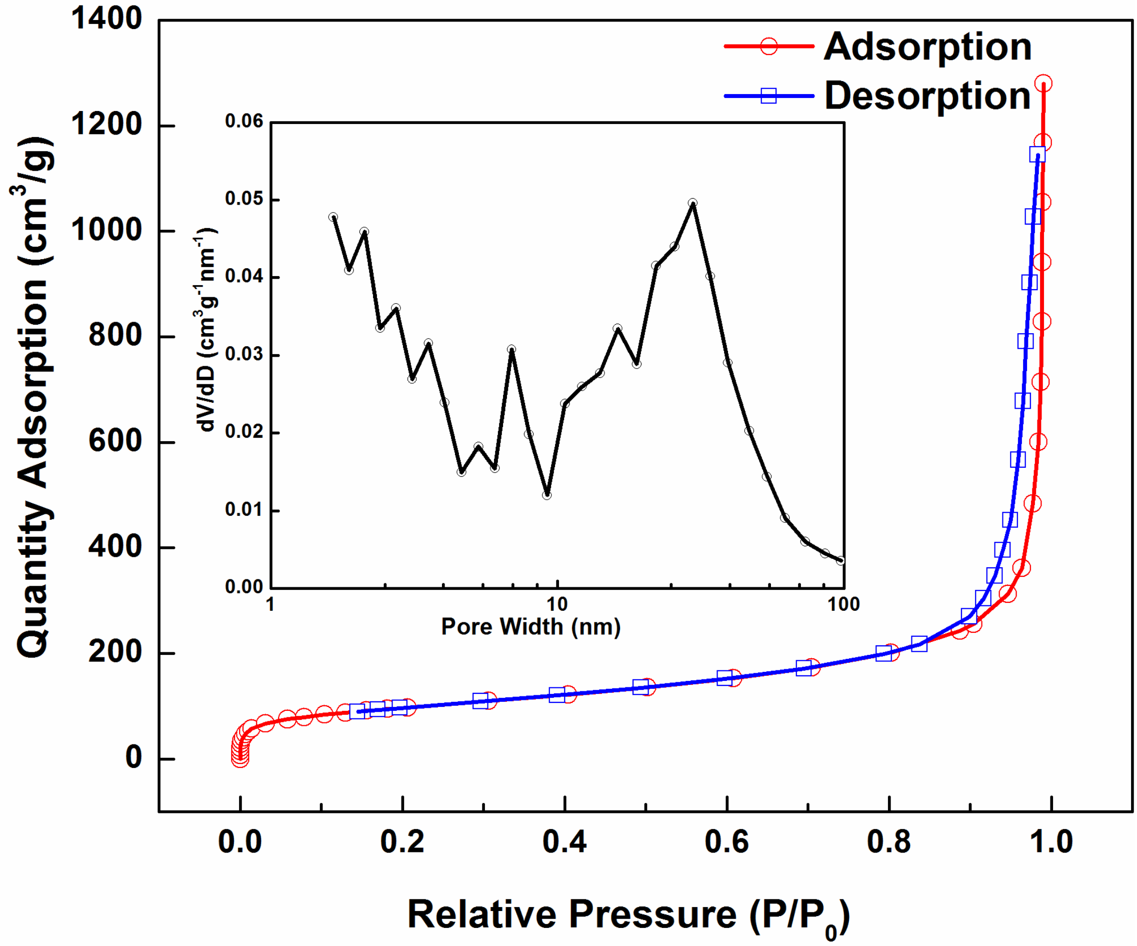

Figure S2. Nitrogen adsorption-desorption isotherms of YEuAV aerogel.

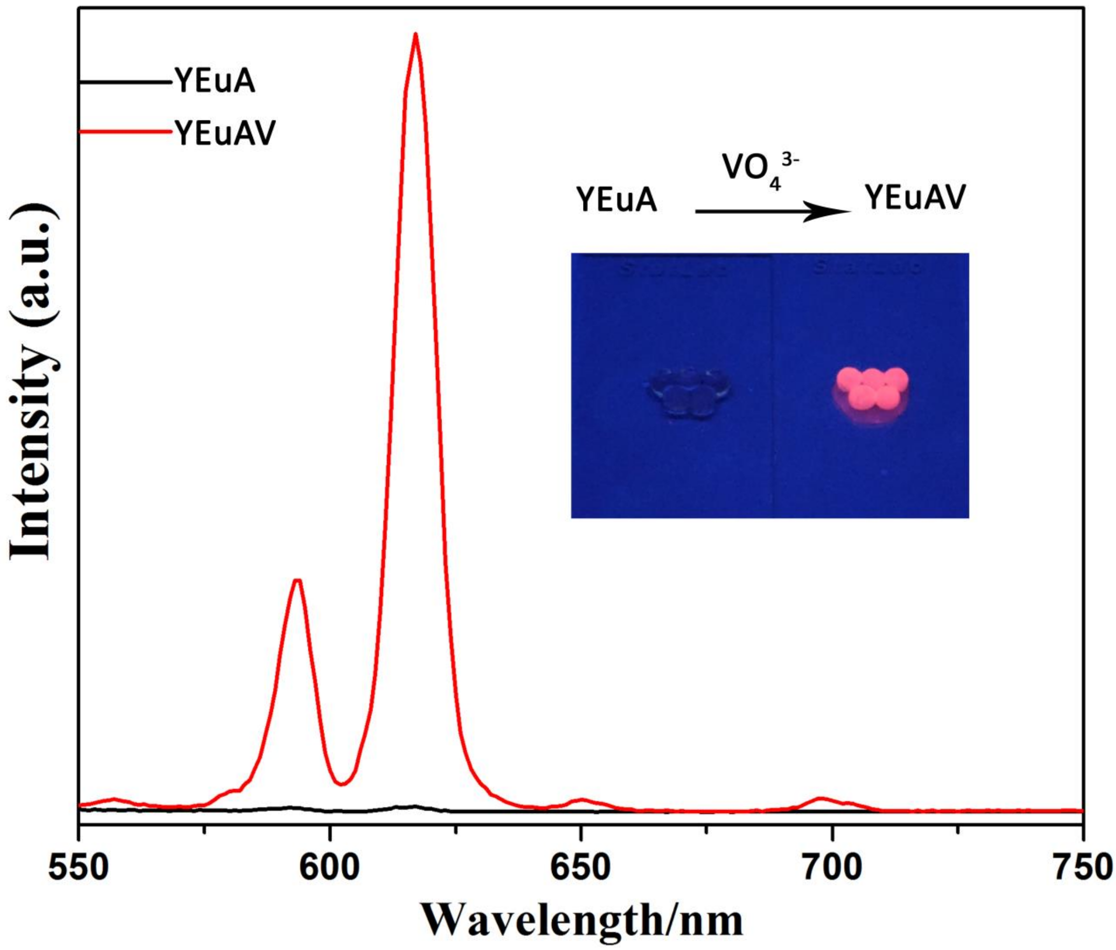

Figure S3. The comparison of the photoluminescence emission intensity of YEuA and YEuAV hydrogels.

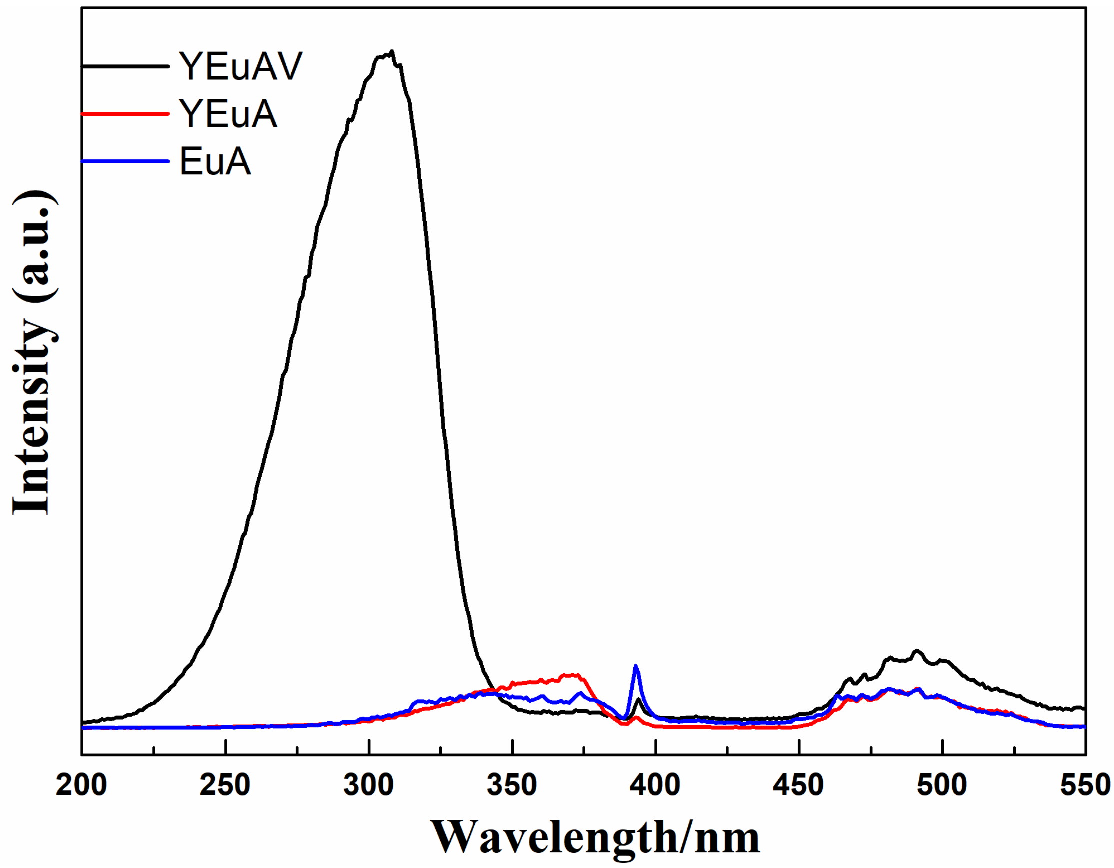

Figure S4. The comparison of the excitation spectra of EuA, YEuA and YEuAV hydrogels.

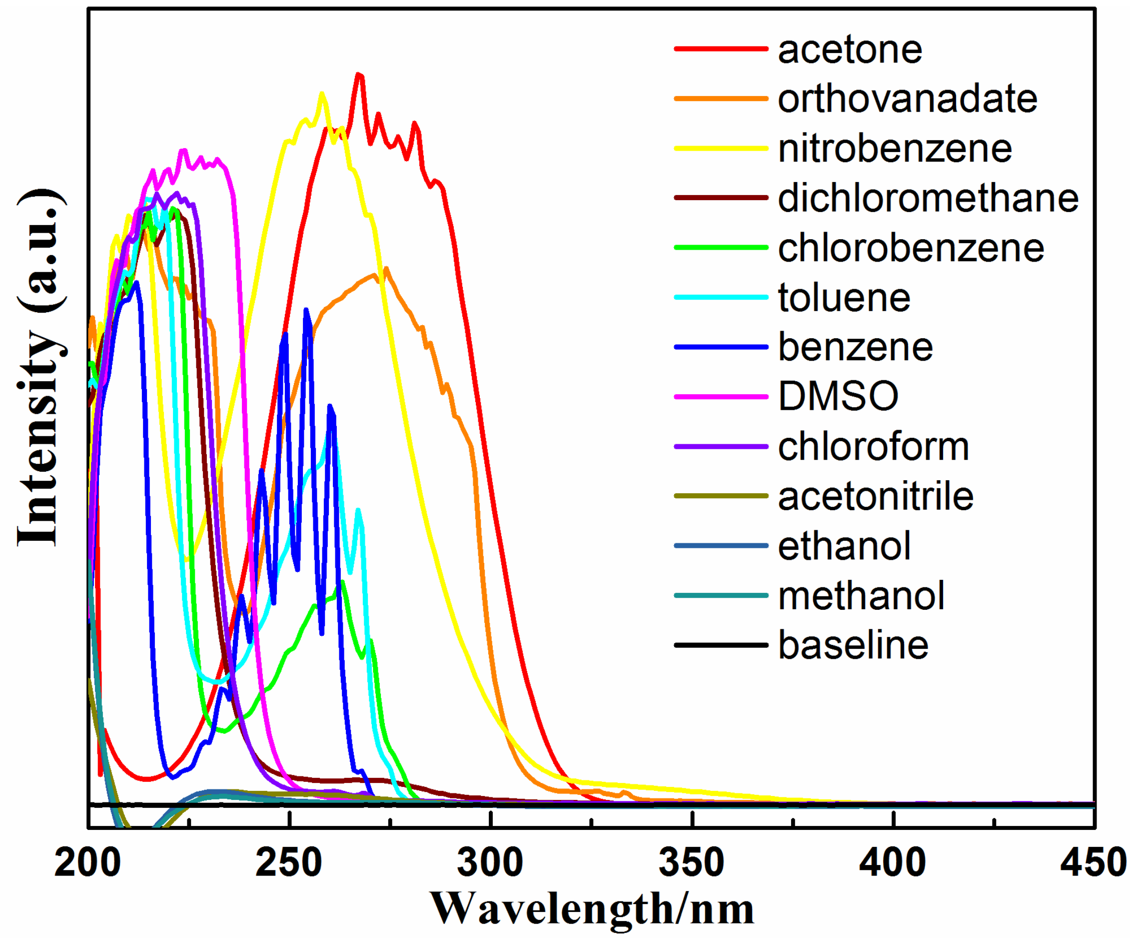

Figure S5. UV absorption spectra of various solvents.

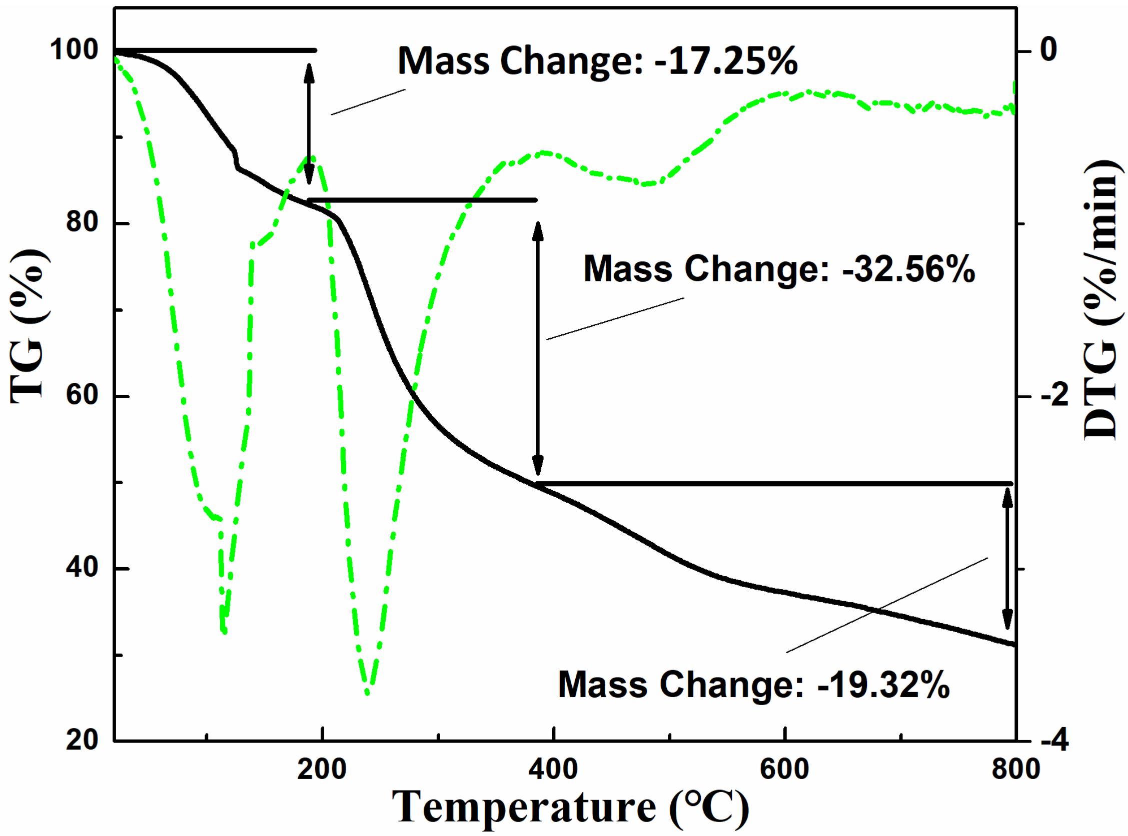

Figure S6. The TG and DTG curves of YEuAV aerogel.

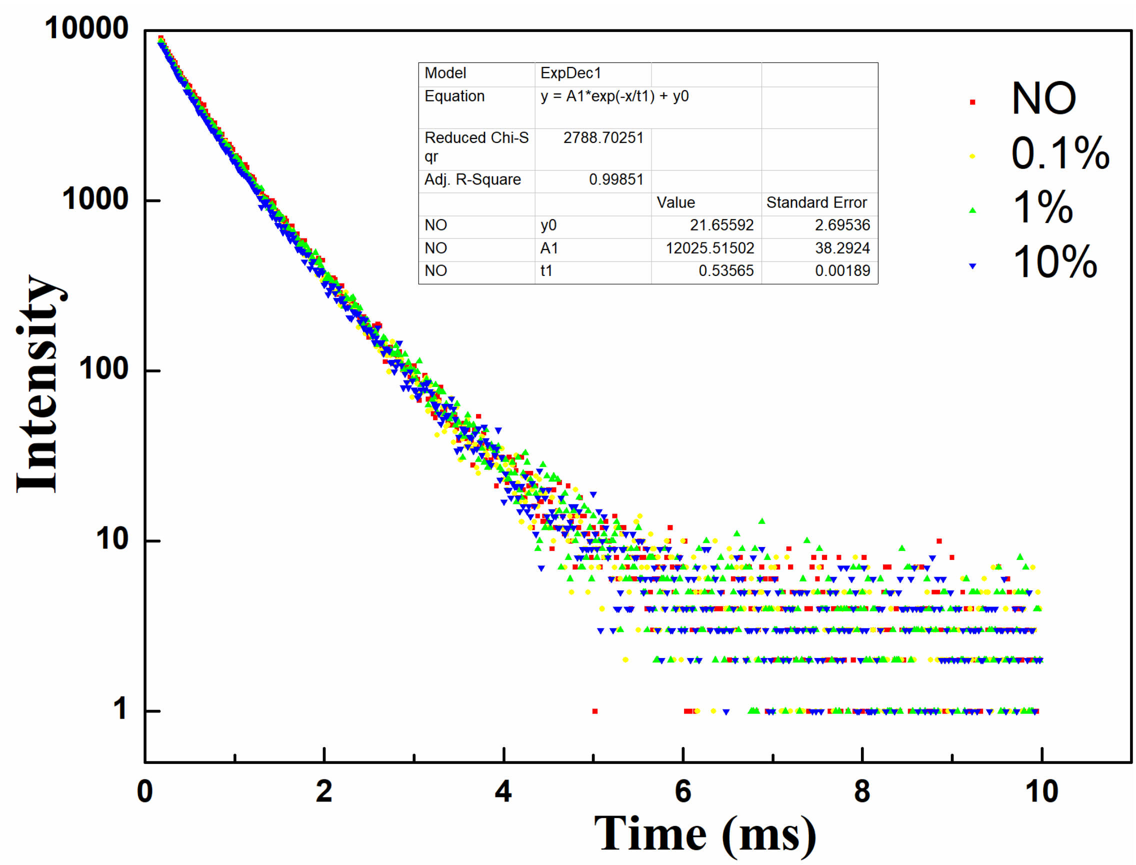

Figure S7. Time- resolved PL decay curves of the YEuAV hydrogel immersed in different concentration of acetone aqueous solution. ”NO” means YEuAV hydrogel without acetone.