

Supporting Information

The ratiometric luminescence pH sensor based on YAG:V³⁺,V⁵⁺ nanoparticles

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KEYWORDS pH, pH indicator, luminescence, nanocrystals, vanadium, optical pH sensors

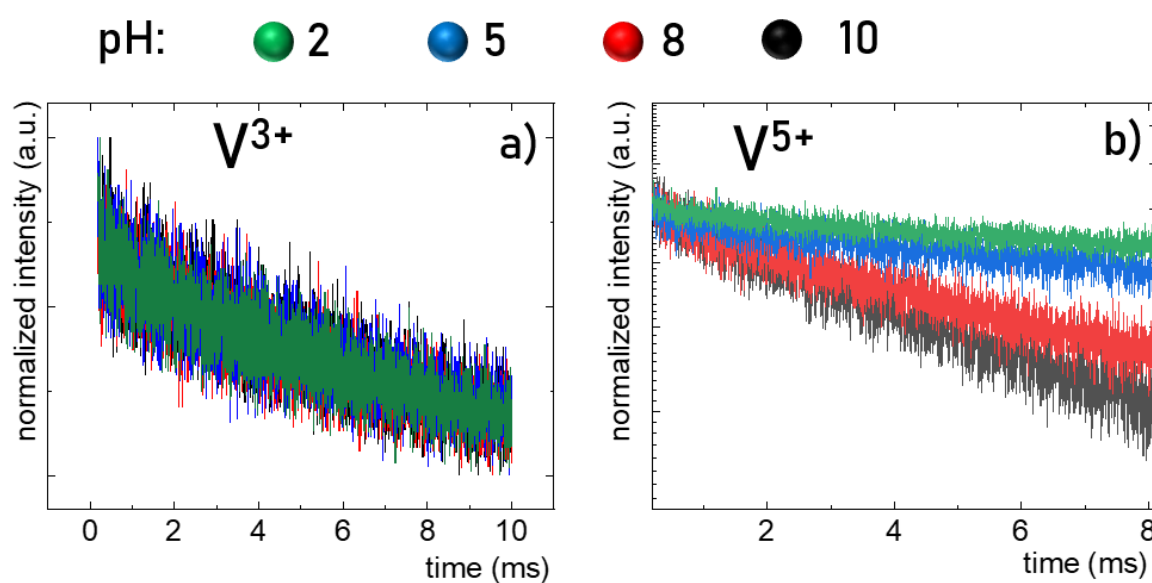


Figure S1. The kinetics of the luminescence of V³⁺ -a) and V⁵⁺ -b) as a function of pH upon $\lambda_{\text{exc}}=266$ nm.

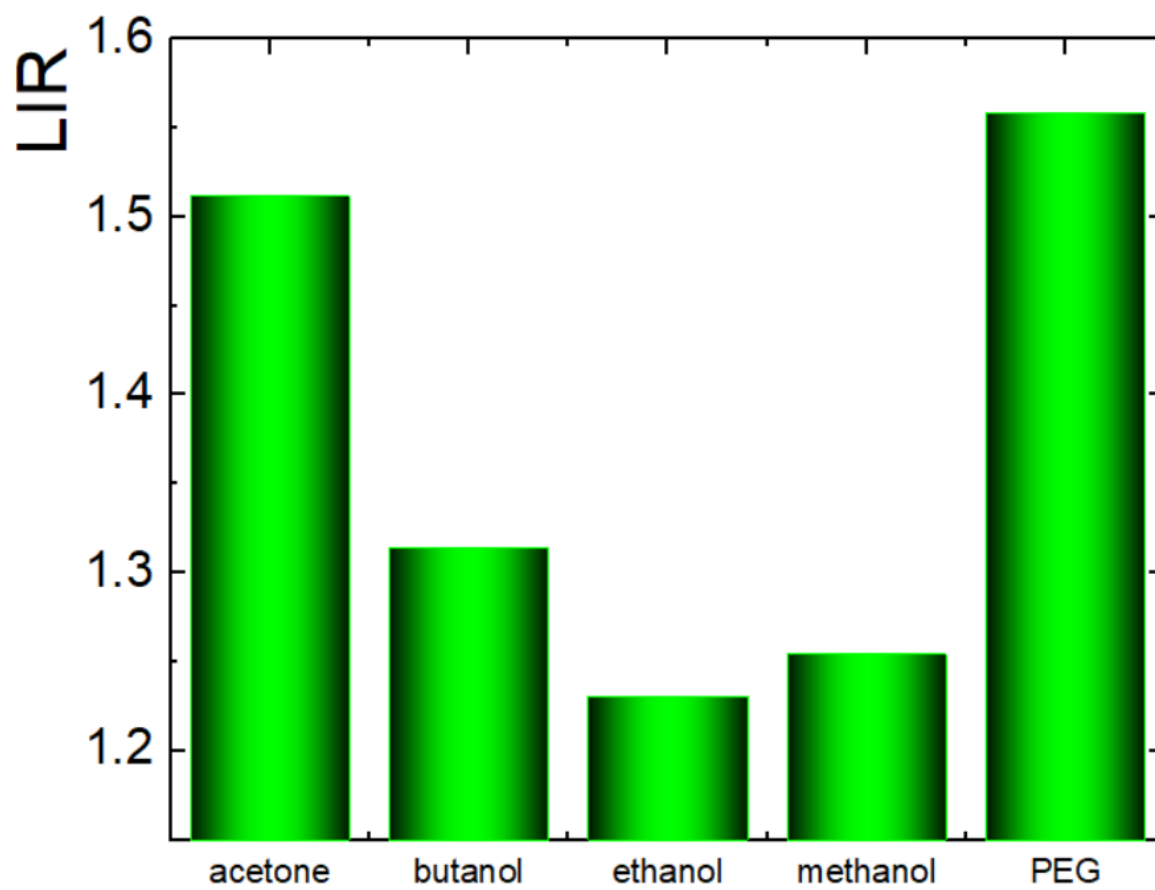


Figure S2. Comparison of the LIR measured for different solvent.