Supporting information
on
Near Infrared and Visible Luminescence from Xerogels Covalently Grafted with Lanthanide [Sm^{3+}, Yb^{3+}, Nd^{3+}, Er^{3+}, Pr^{3+}, Ho^{3+}] β-Diketonate Derivatives Using Visible Light Excitation

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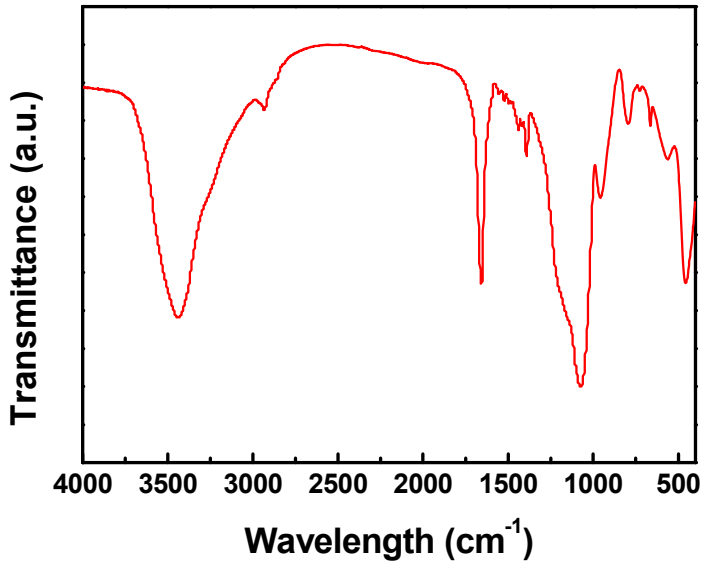

Figure S1. FT-IR spectra of the Yb-DP-xerogel

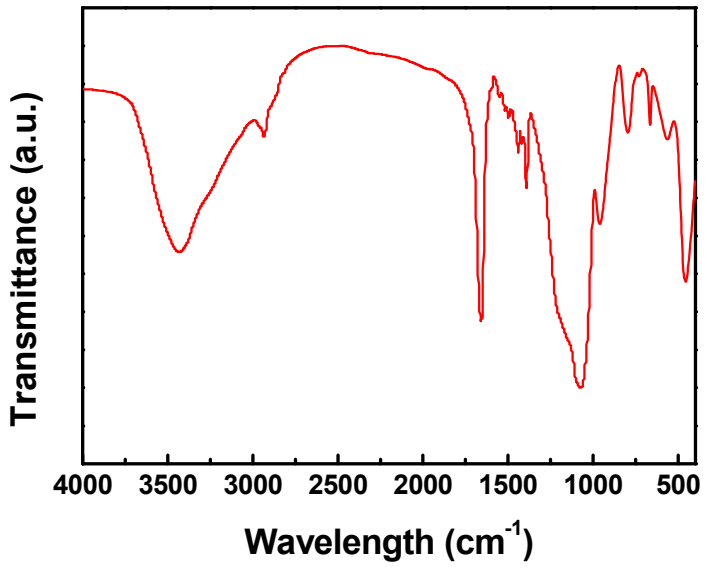

Figure S2. FT-IR spectra of the Nd-DP-xerogel

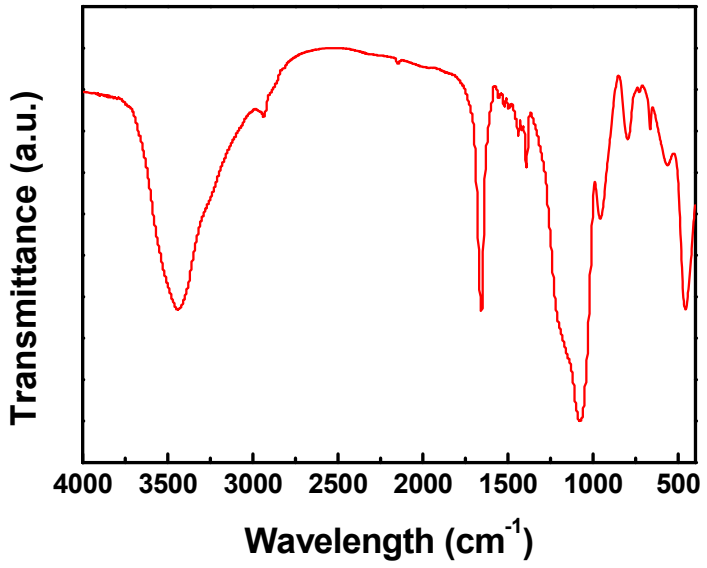

Figure S3. FT-IR spectra of the Er-DP-xerogel

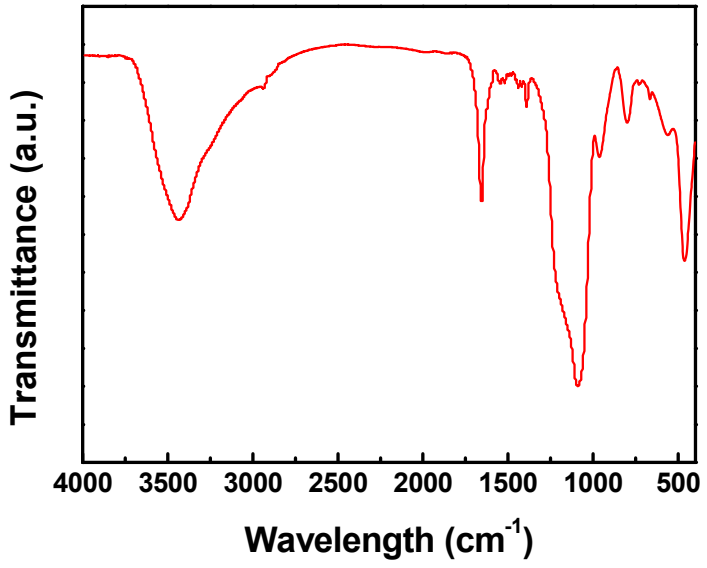

Figure S4. FT-IR spectra of the Pr-DP-xerogel

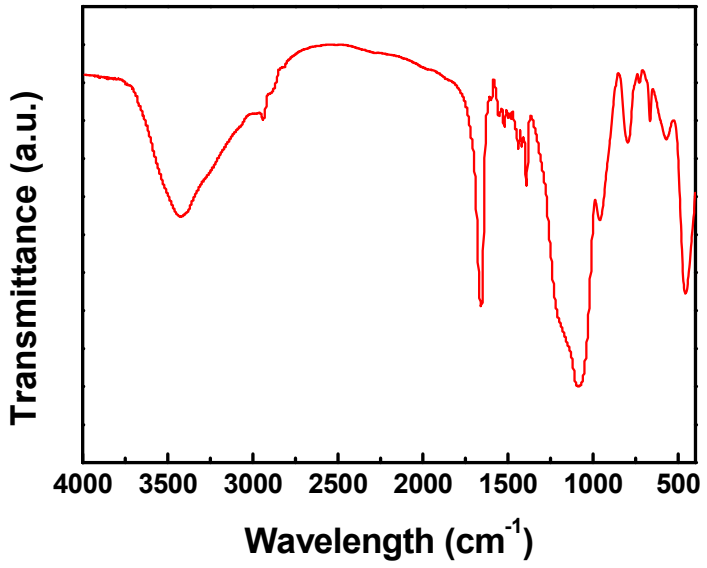

Figure S5. FT-IR spectra of the Ho-DP-xerogel

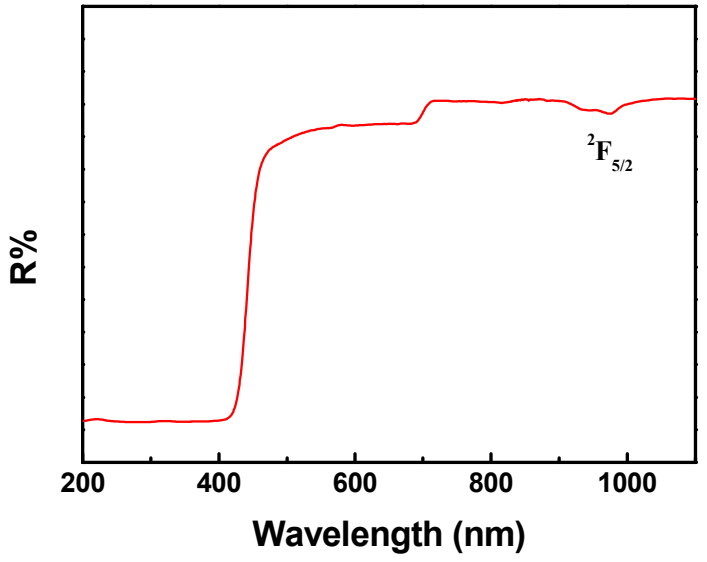

Figure S6. DR spectra of Yb-DP-xerogel

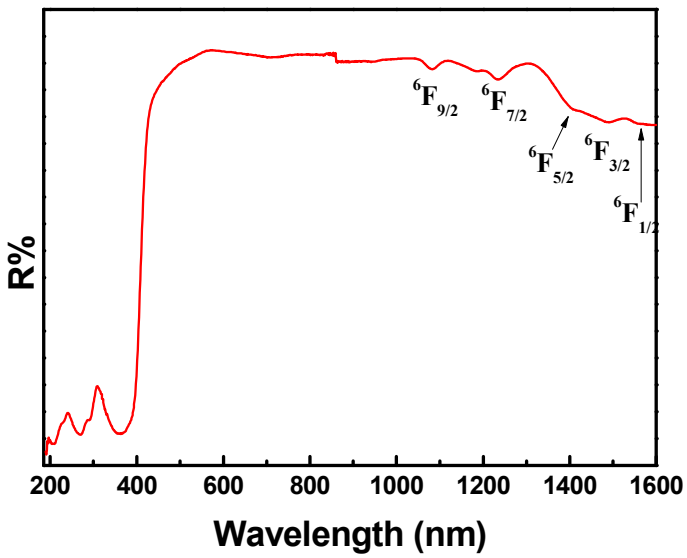

Figure S7. DR spectra of Sm-DP-xerogel

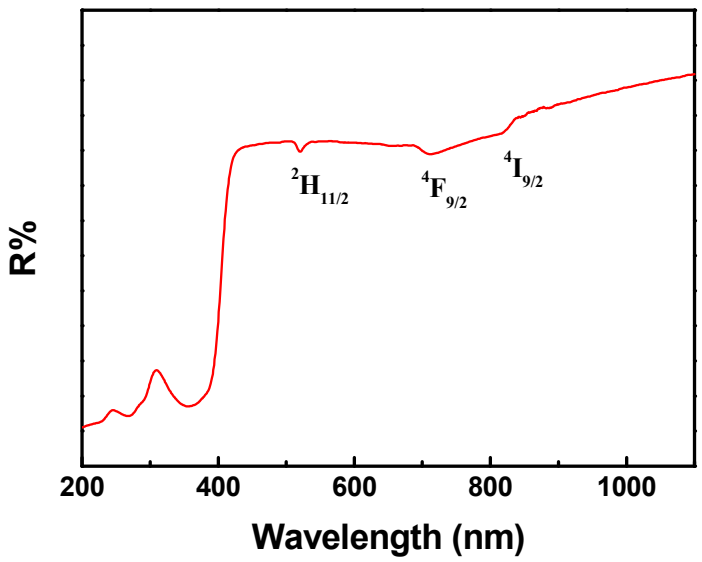

Figure S8. DR spectra of Er-DP-xerogel

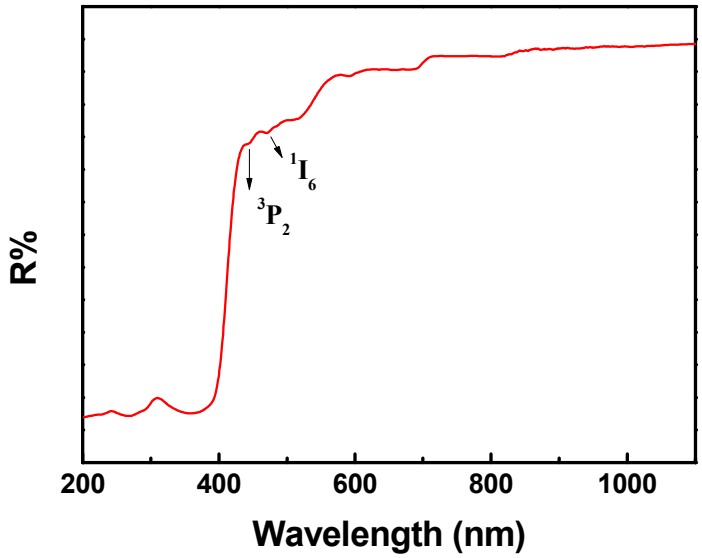

Figure S9. DR spectra of Pr-DP-xerogel

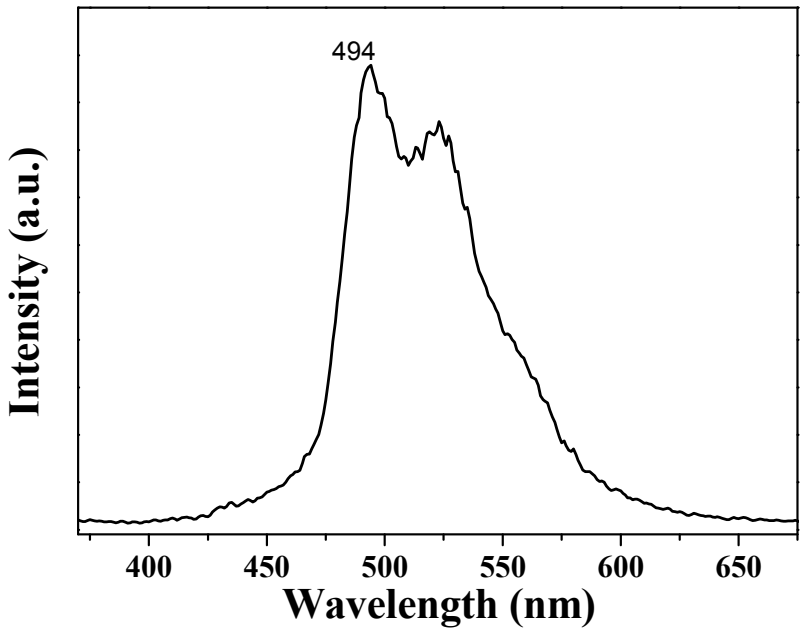

Figure S10. Emission spectrum of Gd(dbm-Si)$_3$ complex (λ_{ex} = 350 nm) at 77 K in solid state.

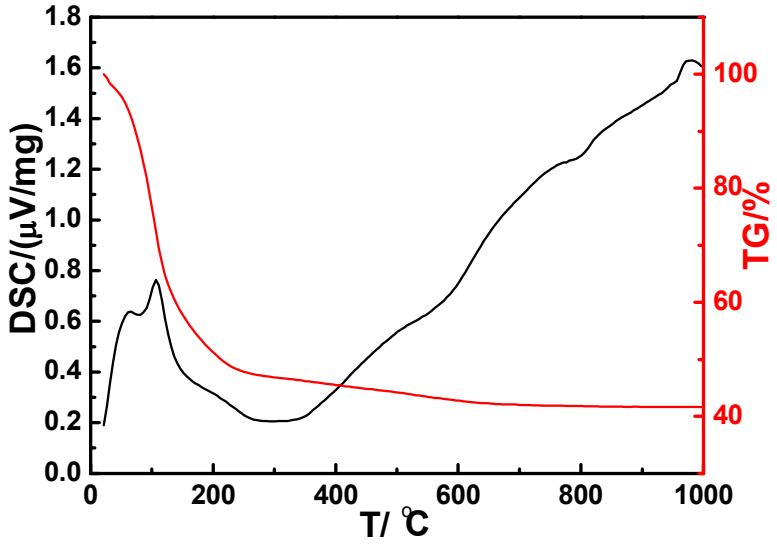

Figure S11. The TG and DSC curves of the Er-DP-xerogel material

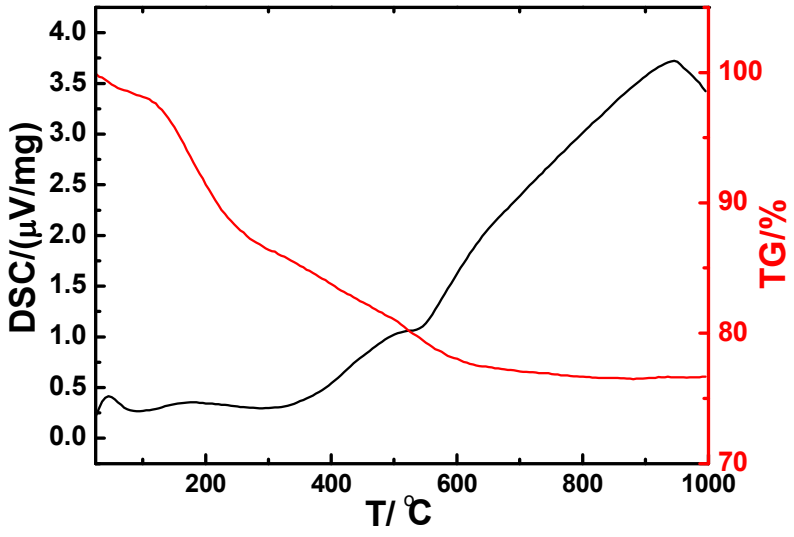

Figure S12. The TG and DSC curves of the Pr-DP-xerogel material

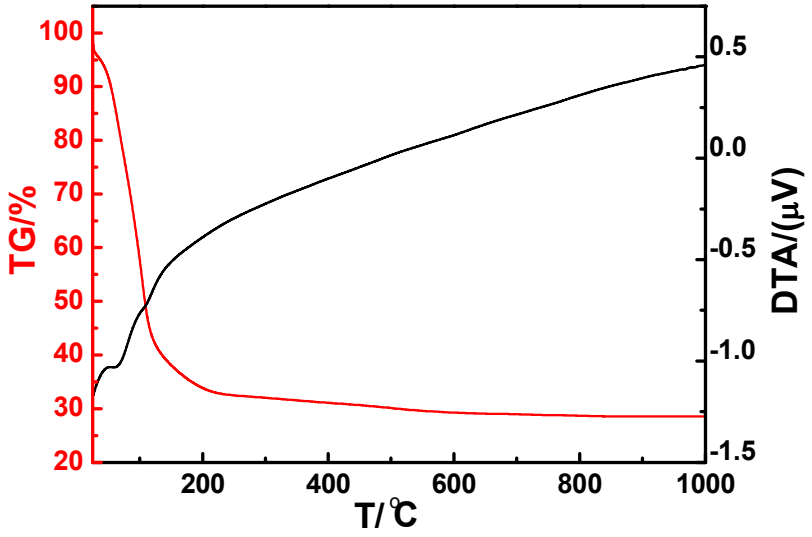

Figure S13. The TG and DTA curves of the Nd-DP-xerogel material

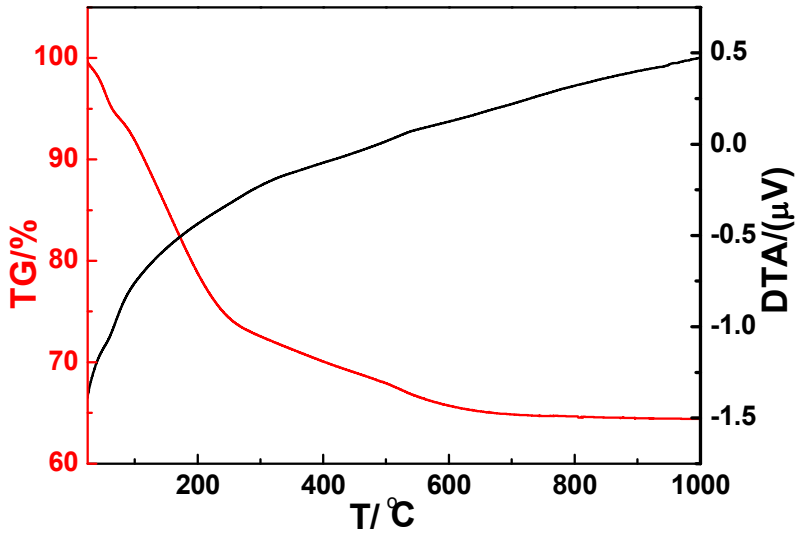

Figure S14. The TG and DTA curves of the Sm-DP-xerogel material

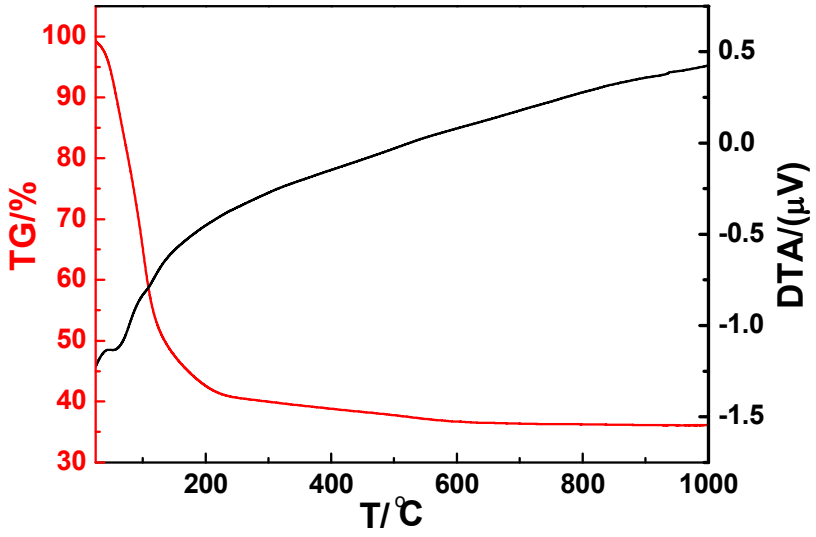

Figure S15. The TG and DTA curves of the Yb-DP-xerogel material