Electronic Supplementary Material (ESI) for CrystEngComm This journal is O The Royal Society of Chemistry 2013



Fig. S1



Fig. s2. The IR spectra for compound 1 (a), compound 2 (b), compound 3 (c), compound 4 (d) and compound 5 (e).



Fig. s3, the XPS spectra for compound 1 (a), compound 2 (b), compound 3 (c), compound 4 (d) and compound 5 (e).



Fig. s4. (a) The experimental and simulated XRD pattern for compound **1**. (b) The experimental and simulated XRD pattern for compound **2**. (c) The experimental and simulated XRD pattern for compound **3**. (d) The experimental and simulated XRD pattern for compound **5**.



Fig. s5. The UV-Vis spectra for compound 1 (a), 2 (b), 3 (c), 4(d) and 5(e).



Fig. s6. The fluorescence properties of the free 4,4'-bpy and the compound 1 (a), 2 (b), 3 (c), 4 (d) and 5 (e) in the solid state at room temperature.



Fig.s7. the TG curves for compound 1-5.



Fig. s8. The CD spectra for compound 1 (a), compound 2 (b) and compound 3 (c).