Supporting Information

Fluorescent colour modulation in Zn(II)-based metallo-supramolecular polymer films by electronic-state control of the ligand

Takashi Sato, Rakesh K. Pandey and Masayoshi Higuchi*
Electronic Functional Materials Group, Polymer Materials Unit, National Institute for Materials Science,
1-1 Namiki, Tsukuba 305-0044, Japan, and JST-CREST

Fig. S1 1H-NMR spectra of (a) poly1, (b) poly2, (c) poly3 and (d) poly4 in DMSO-\textit{d}_6 (300 MHz, TMS).
Fig. S2 ¹H-¹H COSY NMR spectrum of CN-tpy in DMSO-d₆ (300 MHz, TMS).
Fig. S3 $^1$H-$^1$H COSY NMR spectrum of CN-tpy and Zn(ClO$_4$)$_2$ (CN-tpy:Zn(ClO$_4$)$_2$ = 2:3) in DMSO-$d_6$ (300 MHz, TMS).
Fig. S4 The RI spectrum of poly1 in the viscometry-RALLS measurement.

Fig. S5 The dynamic viscosity of DMSO solutions of poly1 with different concentrations at room temperature.
**Fig. S6** The powder XRD pattern of poly1 at room temperature.