Supporting Information

Coordinative supramolecular assembly of electrochromic films based on metal ion complexes of polyiminofluorene with terpyridine substituent groups

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MALDI analysis

Details of the MALDI analysis are reported in ref. 25. M. Schaefer, Institut für Organische Chemie der Universität zu Köln, D-50939 Köln, Germany, is gratefully acknowledged for the measurement.

Fig. 1) MALDI-TOF spectrum of **P1-2**.

XPS analysis

XPS spectra were monitored using an INCA DryCool instrument coupled to an SEM (Zeiss Neon 40). The accelerating voltage was 20 kV, the area was 2500 μm^2 , the time for the measurement was 250 s. Mrs. Ruth Bruker and Prof. K. Meerholz, Universität zu Köln, are gratefully acknowledged for technical support and the allowance to use the equipment.

Fig. 2) XPS spectrum of ITO-support.

Fig. 3) XPS spectrum of **P1-2** (solution cast film on ITO-coated glass slide).

Fig. 4) XPS spectrum of ultrathin film of zinc-**P1-2** (12 dipping cycles) on ITO-coated glass slide. The complex formation with zinc is indicated by the zinc signals at 1.0, 8.63 and 9.58 keV.