

Supporting Information

Influence of Side Chains on the Self-alignment Capability of Electroluminescent Polyfluorenes

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X-ray diffraction pattern of further annealed polyfluorene films after rubbing:

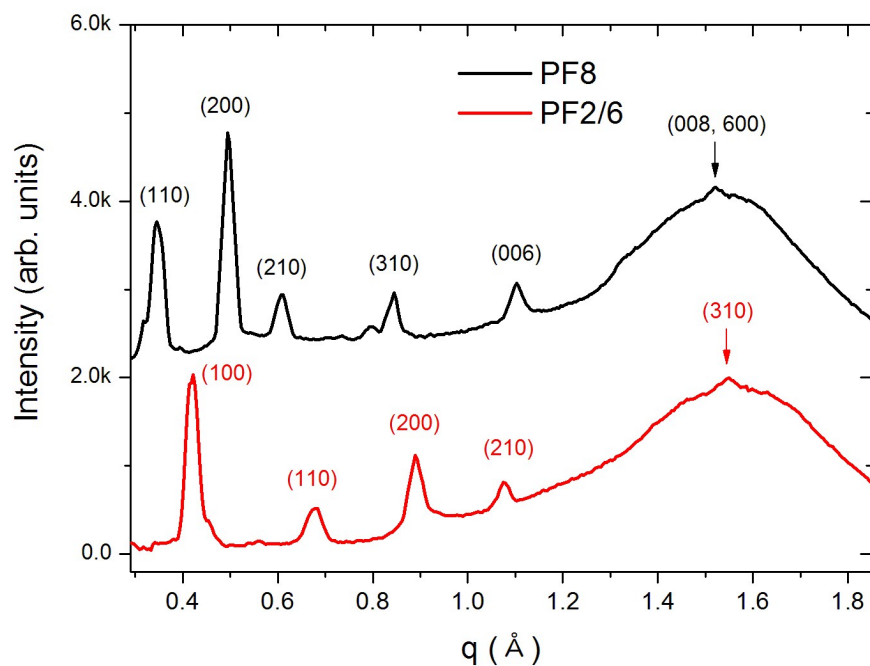


Figure S1. X-ray diffraction patterns of annealed PF8 (upper plot, black) and PF2/6 (lower plot, red) after rubbing of the film surfaces. Direction of scattering vector was changed during the detector scanning. Edge to edge interlayer spacing is ~ 16.5 $\text{\AA}$ and ~ 16 $\text{\AA}$ for PF8 and PF2/6, respectively. Peak (006) and (008) indicates the polymer chain orientation of PF8.^{1–6}

Table S1 – Unit cell parameters obtained from the references^{1,2} or reported in this manuscript used in density calculations.

	a (inter layer, Å)	b (π - π , Å)	c (side chain to side chain, Å)
PF2/6	16.08	3.82	40.5
PF8	16.54	3.86	40.5

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