

Supplementary material (ESI) for Journal of Materials Chemistry

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Photoinduced supramolecular chirality in side-chain liquid crystalline azopolymers

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Electronic Supplementary Information (ESI)

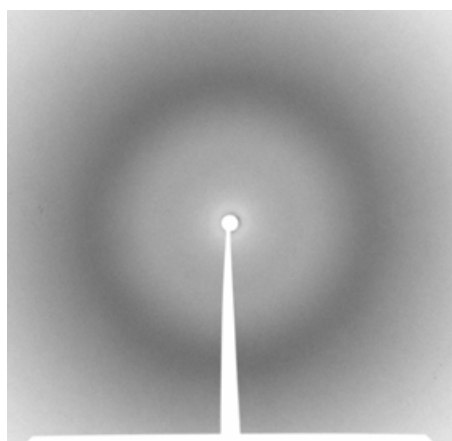


Fig. S1. X-ray diffraction pattern of the mesophase of **PC2**.

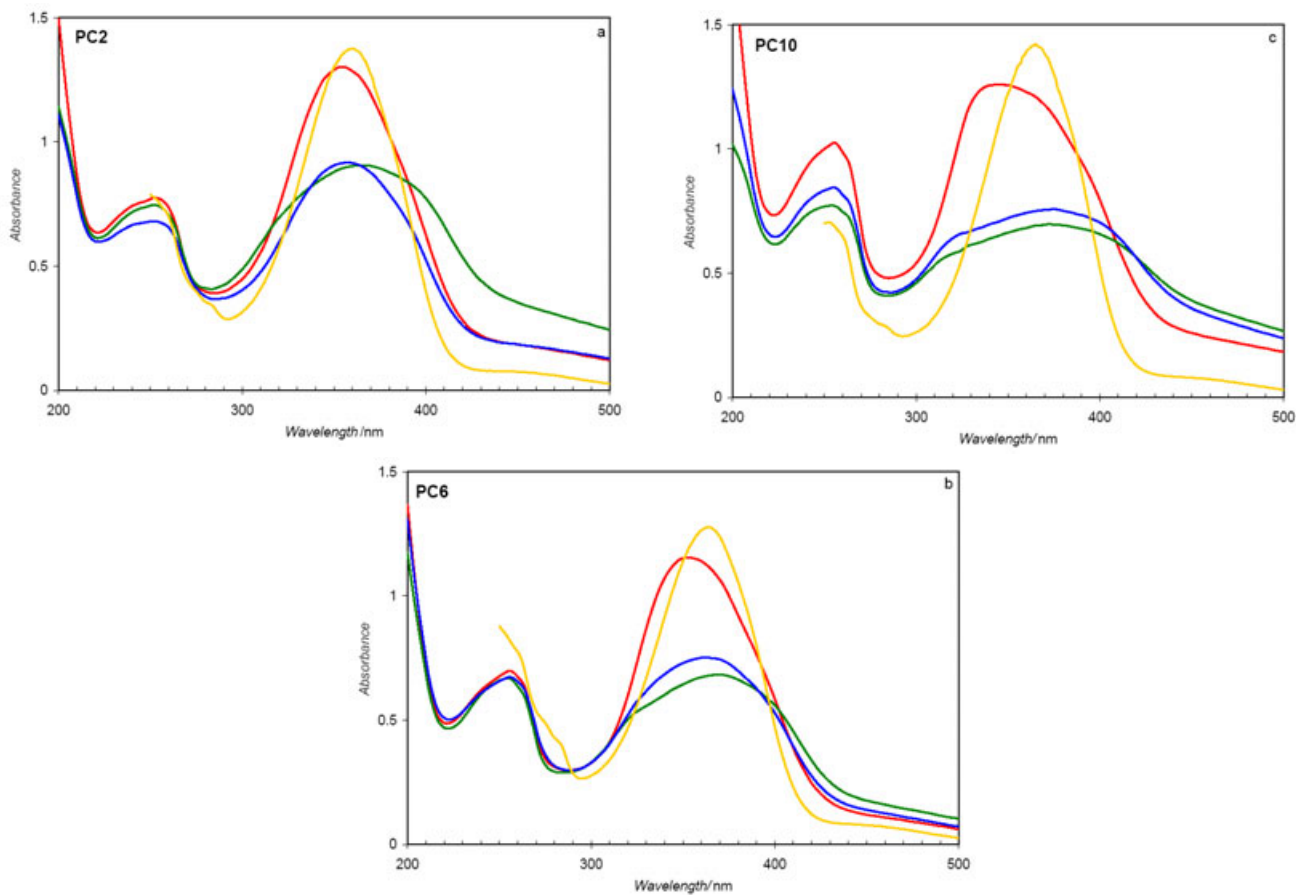


Fig. S2 UV-vis spectra of (a) **PC2**; (b) **PC6** and (c) **PC10** in THF solution (yellow), as-prepared cast film (red), annealed film (green) and irradiated film with *r*-CPL from 488 nm line of Ar⁺ laser (20 mW/cm²) for 30 min (blue).

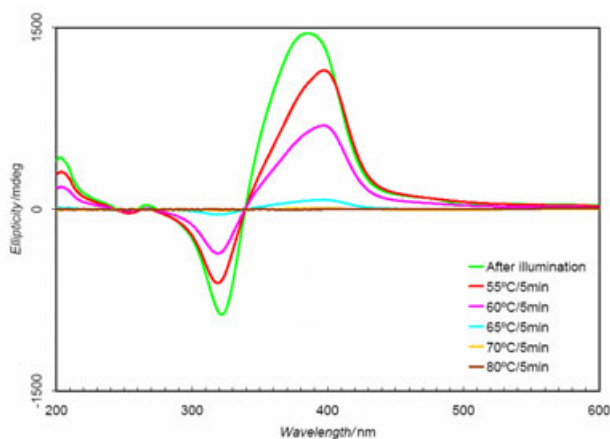


Fig. S3 CD spectra of irradiated **PC6** with *r*-CPL from 488 nm line of Ar⁺ laser (20 mW/cm²) for 30 min after annealing for 5 min at the indicated temperatures.

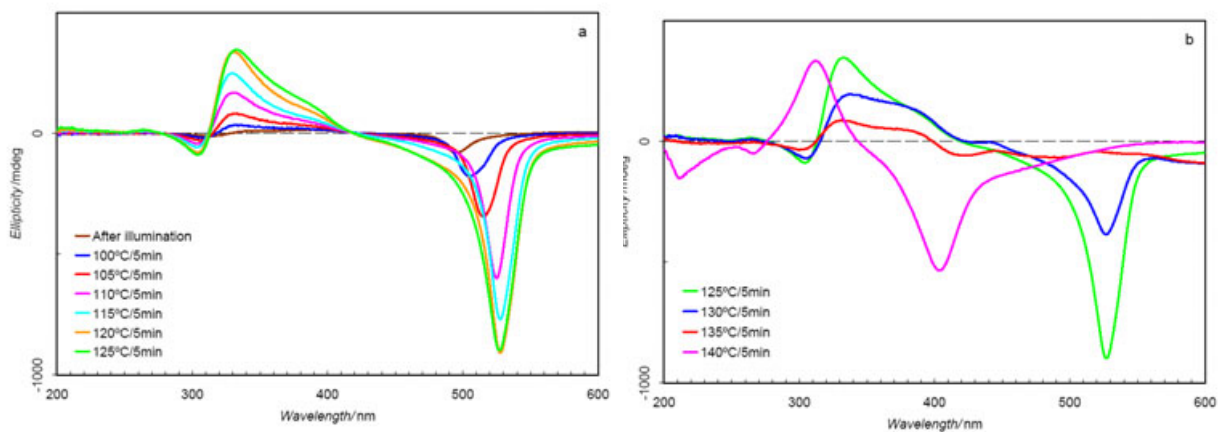


Fig. S4. CD spectra of irradiated **PC2** with *l*-CPL from 488 nm line of Ar⁺ laser (20 mW/cm²) for 30 min after annealing for 5 min at the indicated temperatures: (a) 100 to 125°C (b) 125 to 140°C.

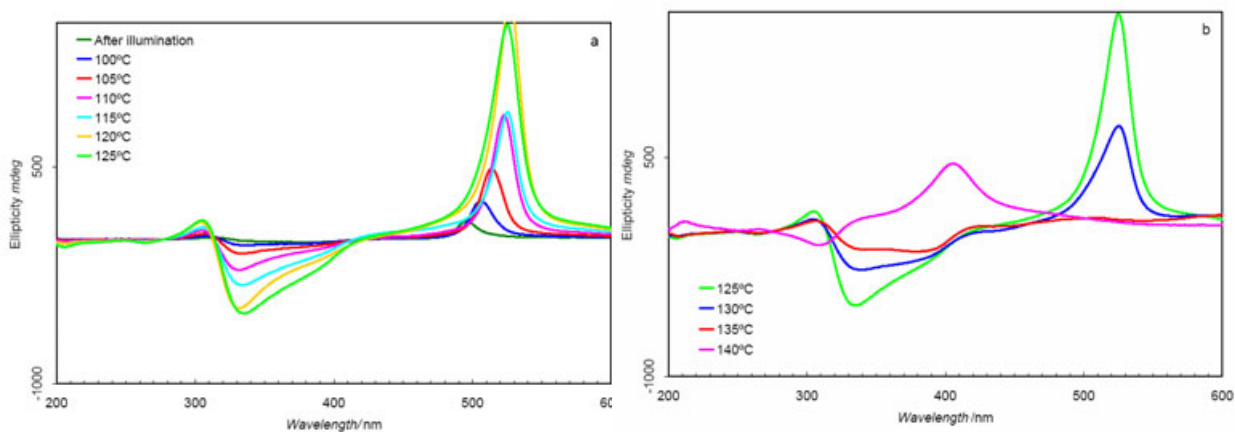


Fig. S5. CD spectra of irradiated **PC2** with *l*-CPL from 488 nm line of Ar⁺ laser (20 mW/cm²) for 30 min after annealing for 5 min at the indicated temperatures: (a) 100 to 125°C (b) 125 to 140°C.