Electronic Supplementary Information

Highly sensitive photoalignment of calamitic and discotic liquid crystals assisted by axis-selective triplet energy transfer

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Fig. S1. Absorption spectra of a pristine pMCi film before (solid) and after exposure to 365 nm light of a 6.0 J/cm² dose (dash). Notice that the spectra are overlapped with each other.
Fig. S2. Changes in distribution of $E$-isomer (open circles), $Z$-isomer (open triangles) and photodimer(s) (closed squares) of cinnamoly moieties in films of pMCi+MK(1/1) (a), pMCi+MK(2/1) (b), pMCi+MK(4/1) (c), pMCi+MK(8/1) (d) and pMCi+MK(16/1) (e) upon photoirradiation with 365 nm light as a function of the exposure energy.
Fig. S3. Polarized optical microphotographs of a hybrid 5CB cell assembled with a pMMA+MK(2/1) film, which was irradiated with linearly polarized 365 nm light in advance. The exposure energy was 1.0 J/cm². White arrows mean the polarization plane of the polarized optical microscopy. The meaning of pMMA is poly(methyl methacrylate).