

Supporting Information for

**Anisotropic Hydrogel from Complexation-Driven Reorientation of
Semi-Rigid Polyanion at Ca²⁺ Diffusion Flux Front**

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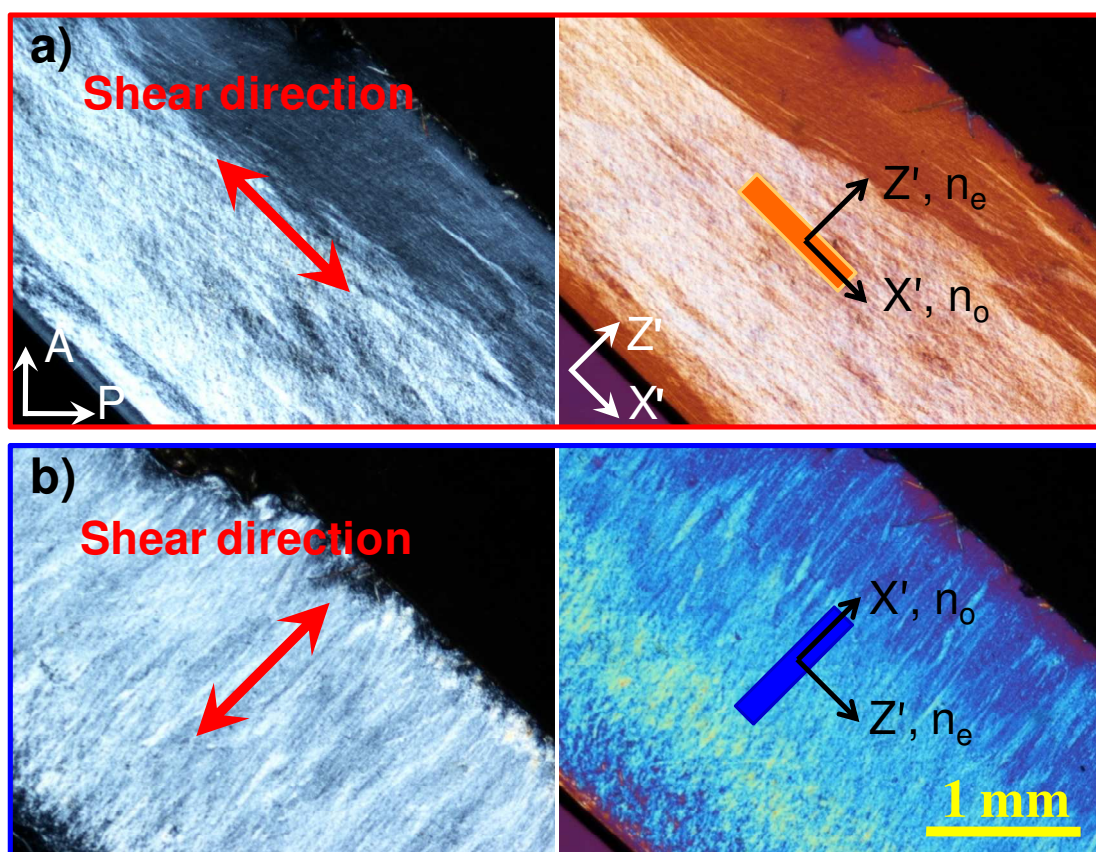


Figure S1. Micrographs of 2 wt% PBDT aqueous solution under translation shearing observed under polarizing microscope. Shearing direction: northwest (a), southwest (b); the right images are observed with insertion of a 530 nm tint plate. Since the shearing-induced birefringence of PBDT solution is in the first order white-grey region, the molecular optical properties can be judged by the birefringent color after insertion of 530 nm tint plate. The PBDT orientation and its fast axis (X') and slow axis (Z') are schemed in the right micrographs.

Figure S1. Z. L. Wu, et al.