

Electronic supplementary information (ESI)

Design and synthesis of nonlinear optical chromophores containing two short chromophores for enhanced electro-optic activity

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1. Optical properties

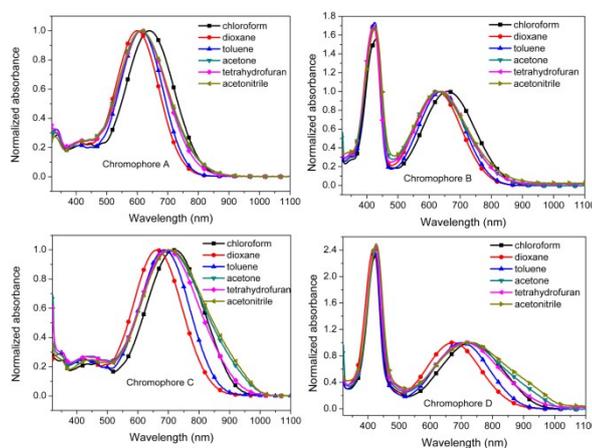


Fig. S1 UV-Vis absorption spectra of chromophores A-D in six kinds of aprotic solvents with varying dielectric constants.

2. Frontier molecular orbitals

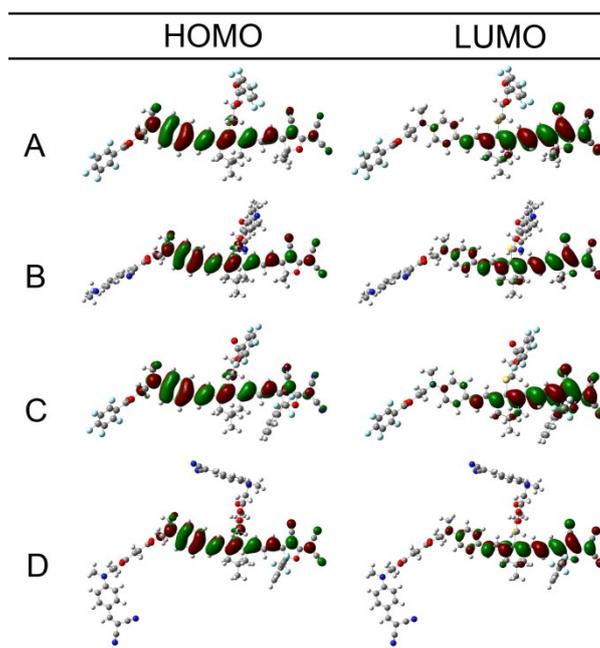


Fig. S2 Frontier molecular orbitals HOMO and LUMO of chromophores A-D.

3. Artist's concept of poling process

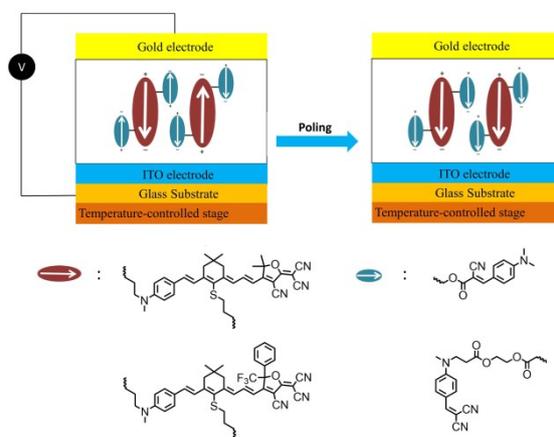


Fig. S3 Artist's concept of poling process of chromophores B and D.