

Supporting Information

Photo-responsive nanoporous liquid crystal polymer film for selective dye adsorption

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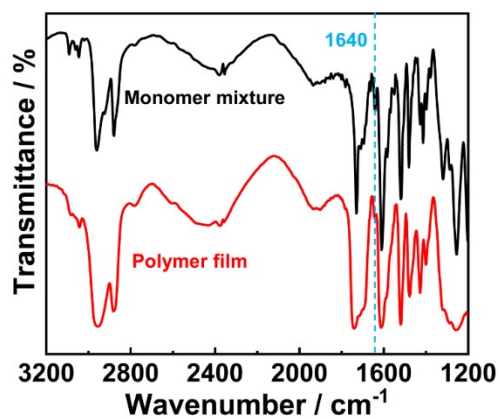


Figure S1. FT-IR spectra of the monomer mixture and the polymer film.

Table S1. Kinetic parameters of Rh6G adsorption into the AZO-R (NC6) film.

C_0 (mg/L)	$q_{e,exp}$ (mg/g)	Pseudo-first-order			Pseudo-second-order		
		$q_{e,cal}$ (mg/g)	R^2	k_1 (min ⁻¹)	$q_{e,cal}$ (mg/g)	R^2	k_2 (g/(mg·min))
5	13.74	7.35	0.9607	0.0393	14.37	0.9998	0.0113

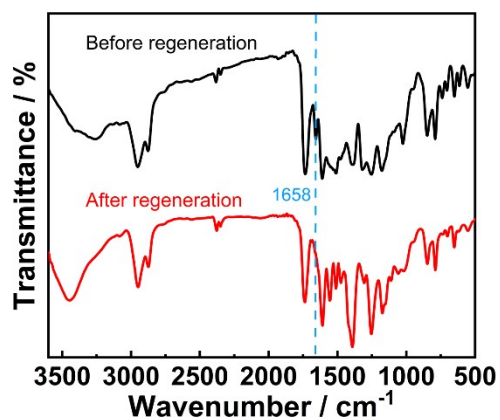


Figure S2. FT-IR spectra before and after regeneration.