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Supporting information

Silica covering driven intensity enhancement and handedness inversion of the CPL signals of the supramolecular assemblies

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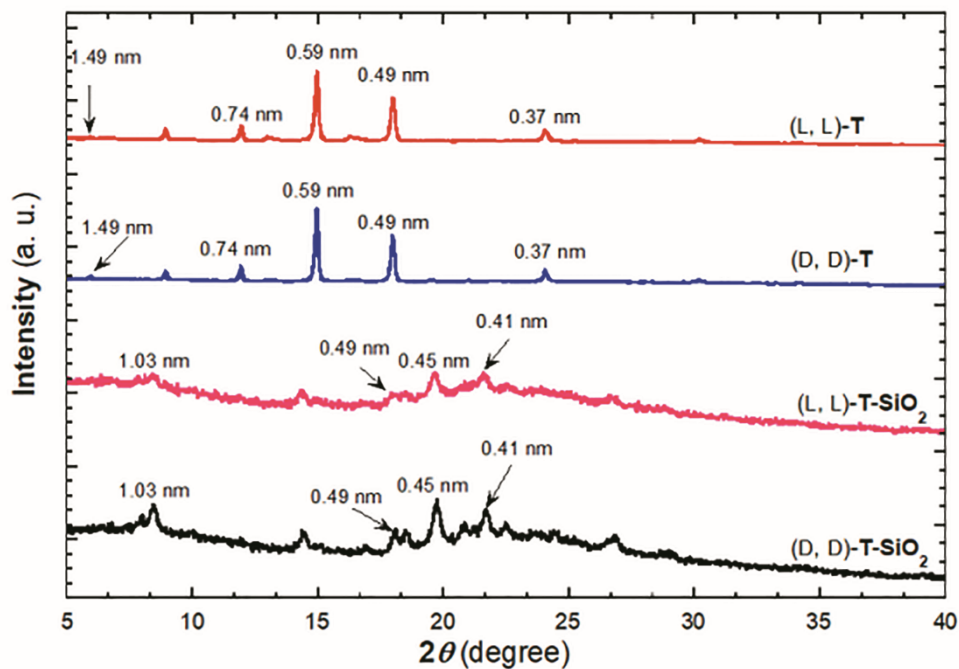


Fig. S1 WAXRD patterns of the xerogels and hybrid silicas.

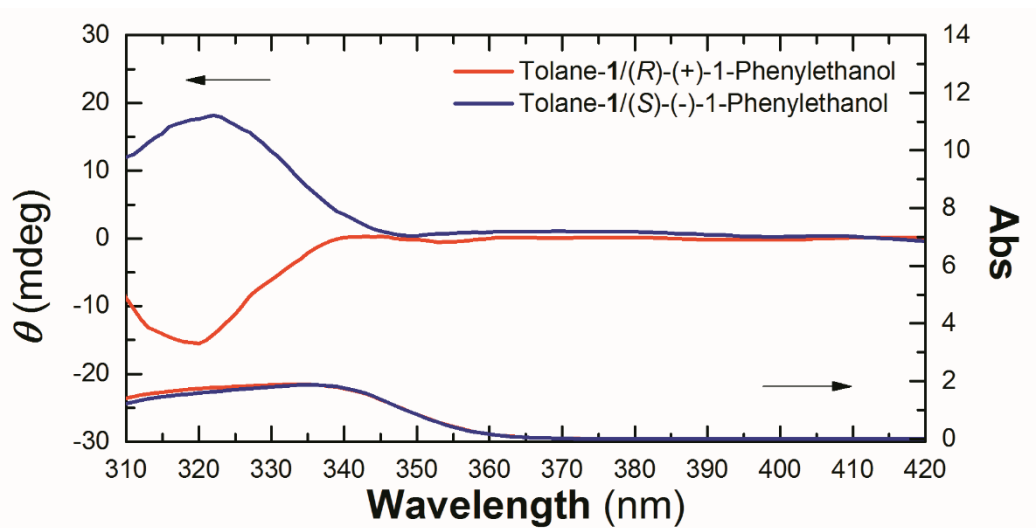


Fig. S2 CD and UV-*vis* spectra of Tolane-1 in (R)-(+)-1-phenylethanol and (S)-(-)-1-phenylethanol (1×10^{-4} M).

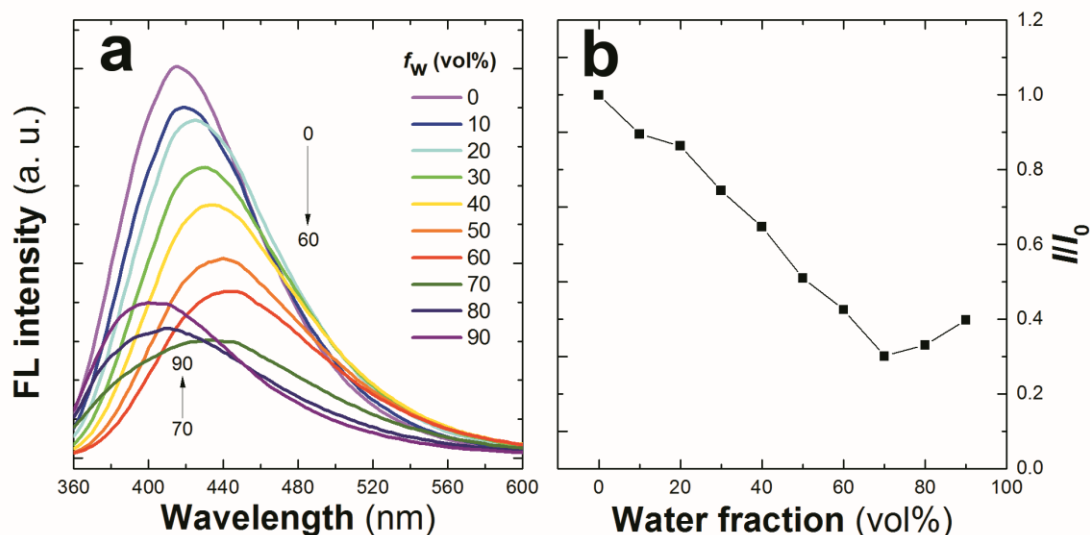


Fig. S3 (a) Emission spectra of (L, L)-**T** in methanol/water mixtures with different water fractions (f_w), Concentration: 1.0×10^{-5} M; excitation wavelength: 320 nm, (b) Plot of relative emission peak intensity (I/I_0) versus f_w of the methanol-water mixtures, where I = emission intensity and I_0 = emission intensity in methanol solution.

Table S1 The Φ_F of the solution (1.0×10^{-5} M in methanol), xerogels of self-assemblies and hybrid silica powders of (L, L)- and (D, D)-**T**

Φ_F	(L, L)- T	(D, D)- T
Solution	34.6%	34.7%
Xerogels of self-assemblies	53.1%	51.7%
Hybrid silica powders	56.7%	56.3%

Table S2 The g_{lum} values of the solution (1.0×10^{-4} M in methanol), xerogels of self-assemblies, hybrid silica powders of (L, L)- and (D, D)-**T**

g_{lum} values	(L, L)- T	(D, D)- T
Solution	-8.5×10^{-5}	$+6.0 \times 10^{-5}$
Xerogels of self-assemblies	-2.3×10^{-3}	$+1.1 \times 10^{-3}$
Hybrid silica powders	$+4.4 \times 10^{-3}$	-5.4×10^{-3}