

Supplementary Information

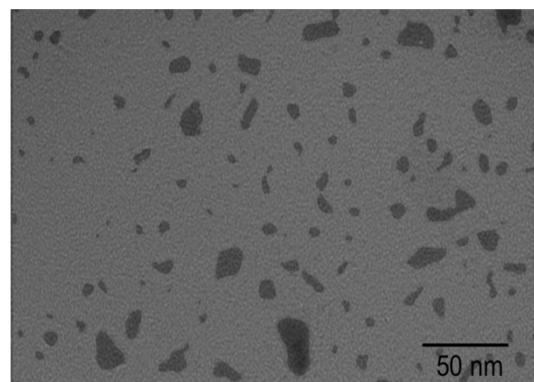


Fig. S1. TEM image of oleic acid capped harvested LiNbO_3 nanoparticles

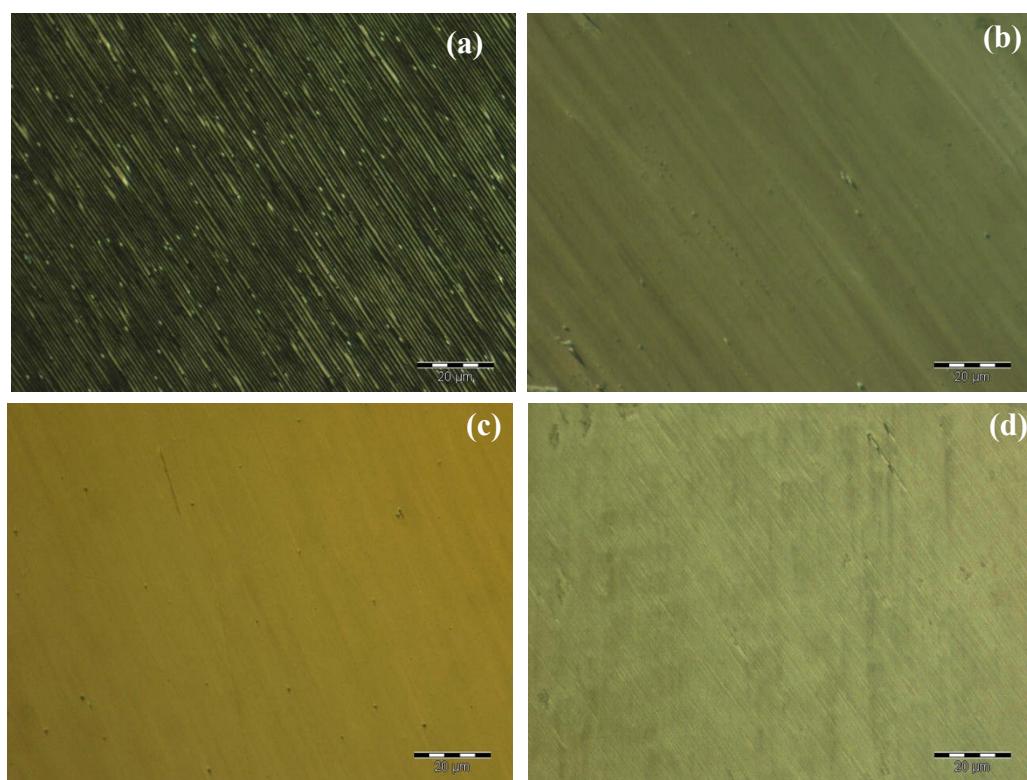


Fig. S2. Optical texture (a) non-doped FLC, (b) FLC nanocolloid with 0.01 wt. % LiNbO_3 , (c) nanocolloid with 0.05 wt. % LiNbO_3 and (d) FLC nanocolloid with 0.10 wt. % LiNbO_3 at 30°C

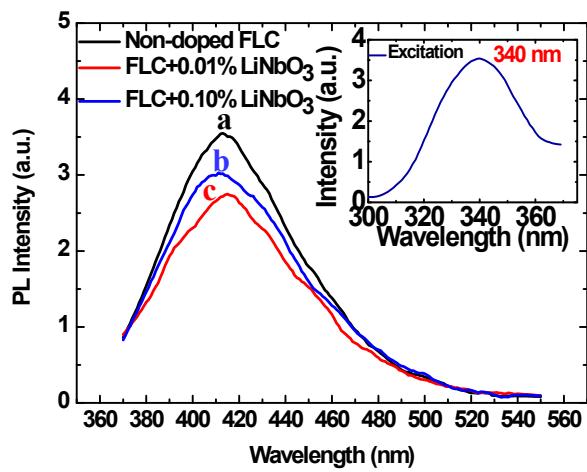


Fig. S3. Photoluminescence emission spectra (a) non-doped FLC (b) FLC nanocolloids with 0.01 wt. % LiNbO₃, and (c) FLC nanocolloids with 0.10 wt. % LiNbO₃. Inset represents the excitation wavelength spectra.