

Supporting Information

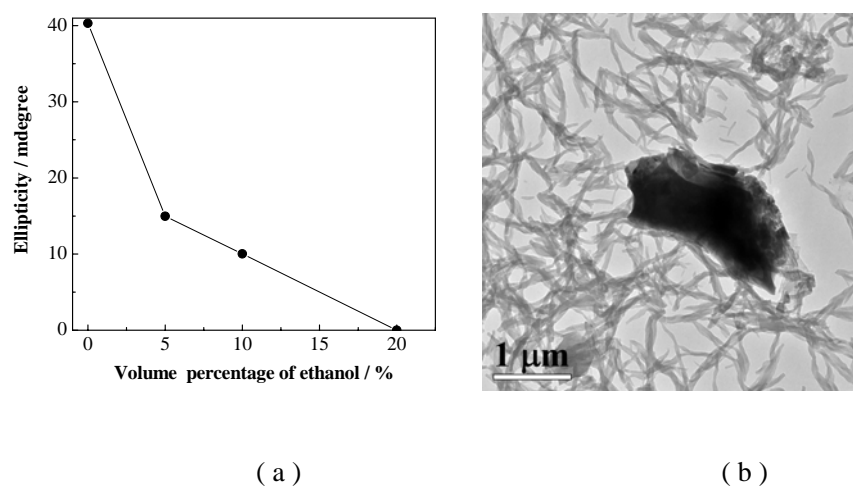


Figure S1. (a) Dependence of the optical activity of PANI products on the volume percentage of ethanol in ethanol/water system. (b) TEM image of PANI product synthesized in ethanol/water system containing 5% (by volume) of ethanol.

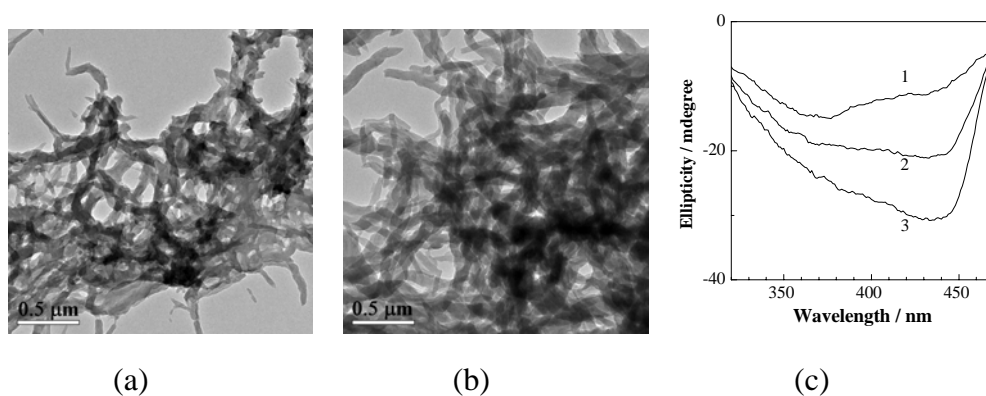


Figure S2. (a) TEM image of PANI synthesized at 0 °C and without stirring. (b) TEM image of PANI synthesized at room temperature and with stirring. (c) CD spectra of PANI prepared in the presence of 1 M CSA under conditions of (1) 0 °C and non-stirring, (2) room temperature and stirring, and (3) room temperature and non-stirring.

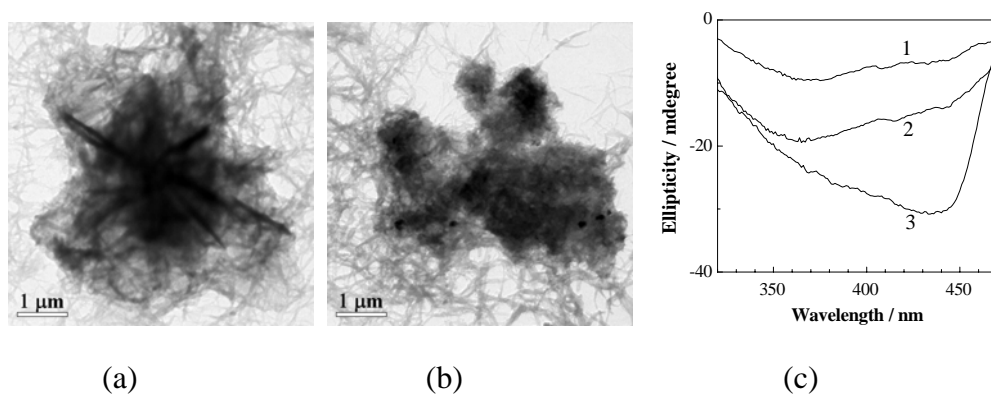


Figure S3. TEM images of PANI synthesized from in 1 M CSA solutions at room temperature under conditions of (a) 1 M NaCl, and (b) gradual addition of APS but without addition of NaCl. (c) CD spectra of PANI prepared under conditions of (1) the same as (a), (2) the same as (b), and (3) rapid mixing APS with the aniline solution without the addition of NaCl.

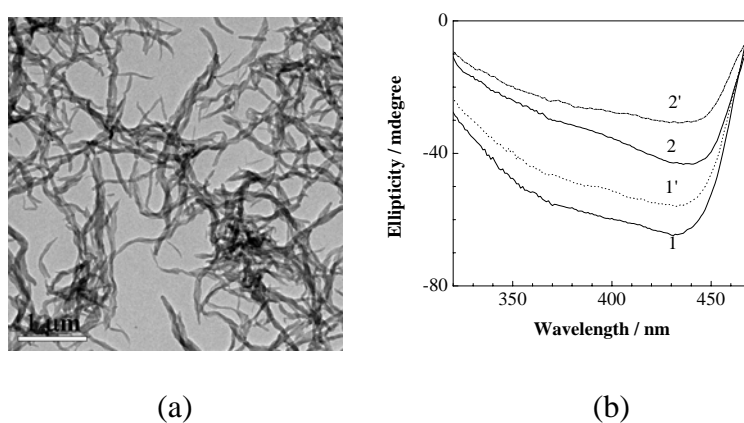


Figure S4. (a) TEM image of PANI synthesized in the presence of 1.5 M CSA with UV light illumination. (b) CD spectra of PANI prepared from aqueous solutions of 0.05 M aniline + 1.5 M (1, 1') or 1 M (2, 2') CSA with (1, 2) and without (1', 2') UV light illumination.

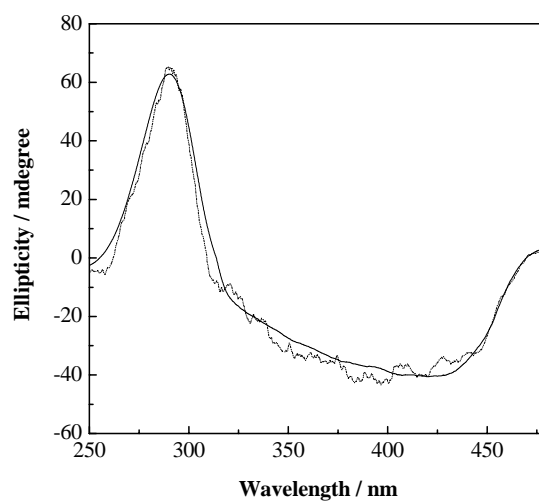


Figure S5. CD spectra of a PANI dispersion before (solid) and after (dotted) post-synthetic stirring. This indicates that after the polymerization is finished, the post-synthetic stirring will not destroy the chiral structure of PANI chains, and hence will not markedly influence the chirality of the products.