Supporting Information

Chiral Selectivity in Lithium Niobate Crystals: Investigating the Role of L- and D-Alanine as Chiral Inducers

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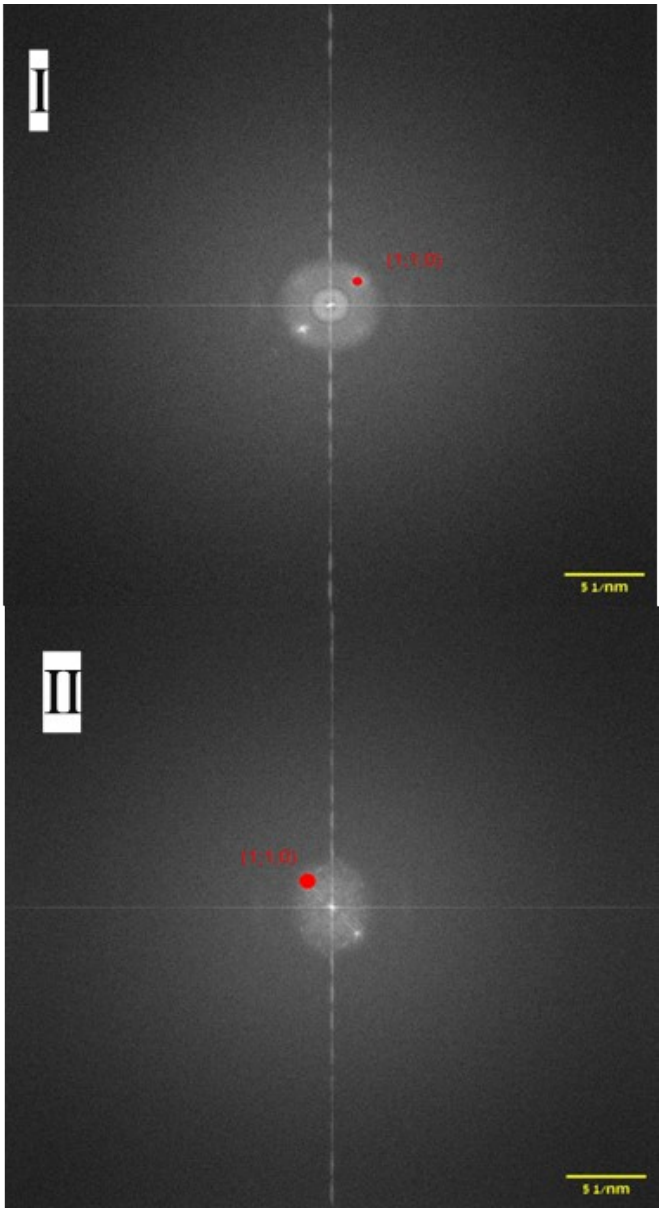
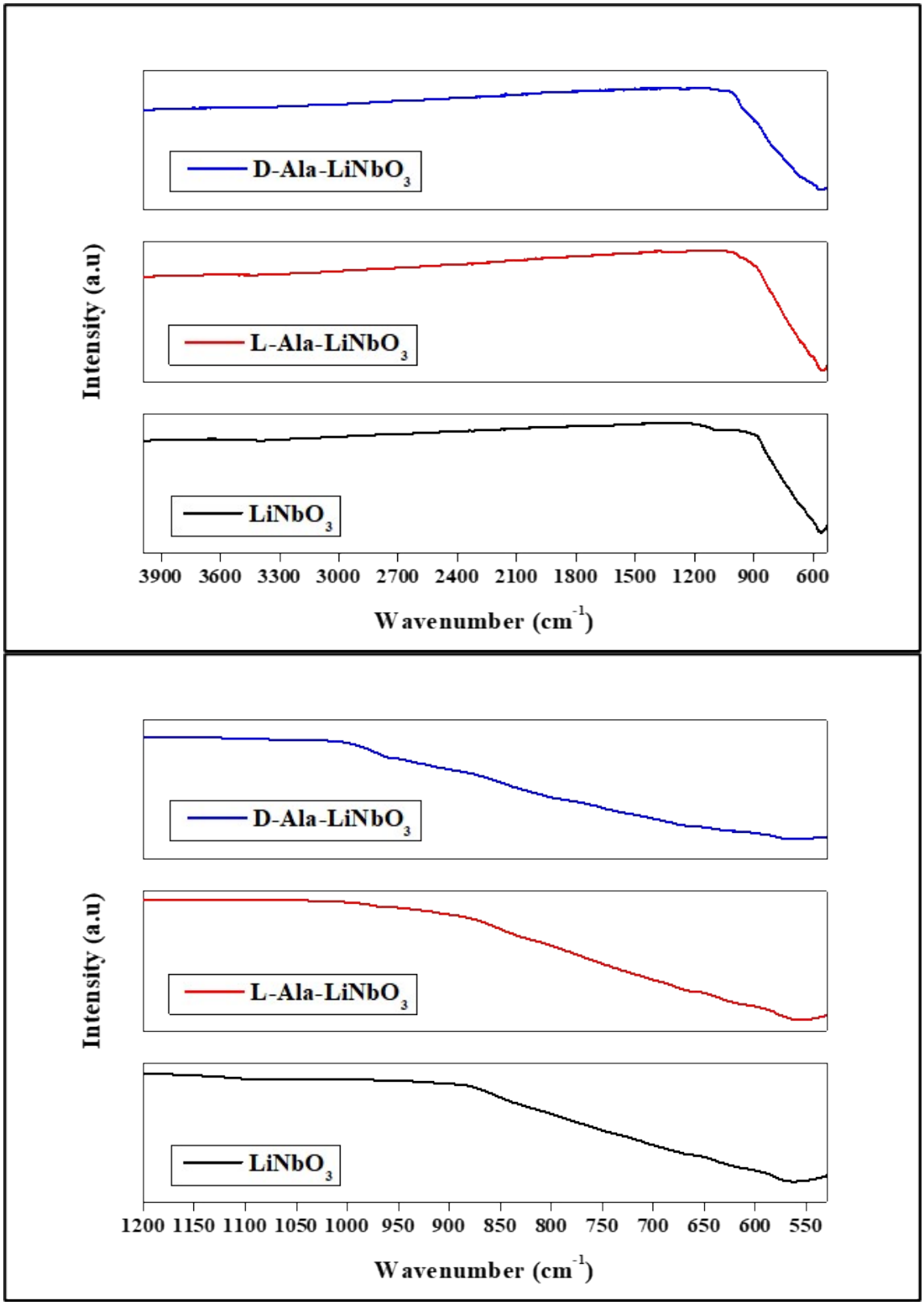
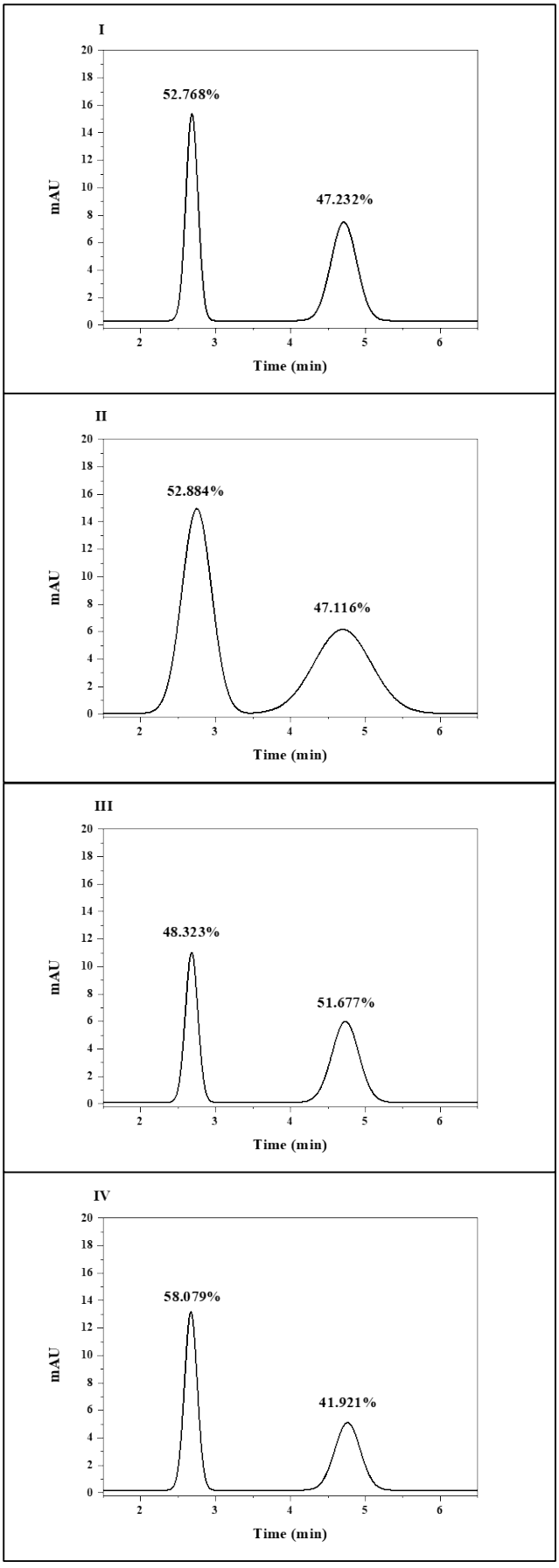


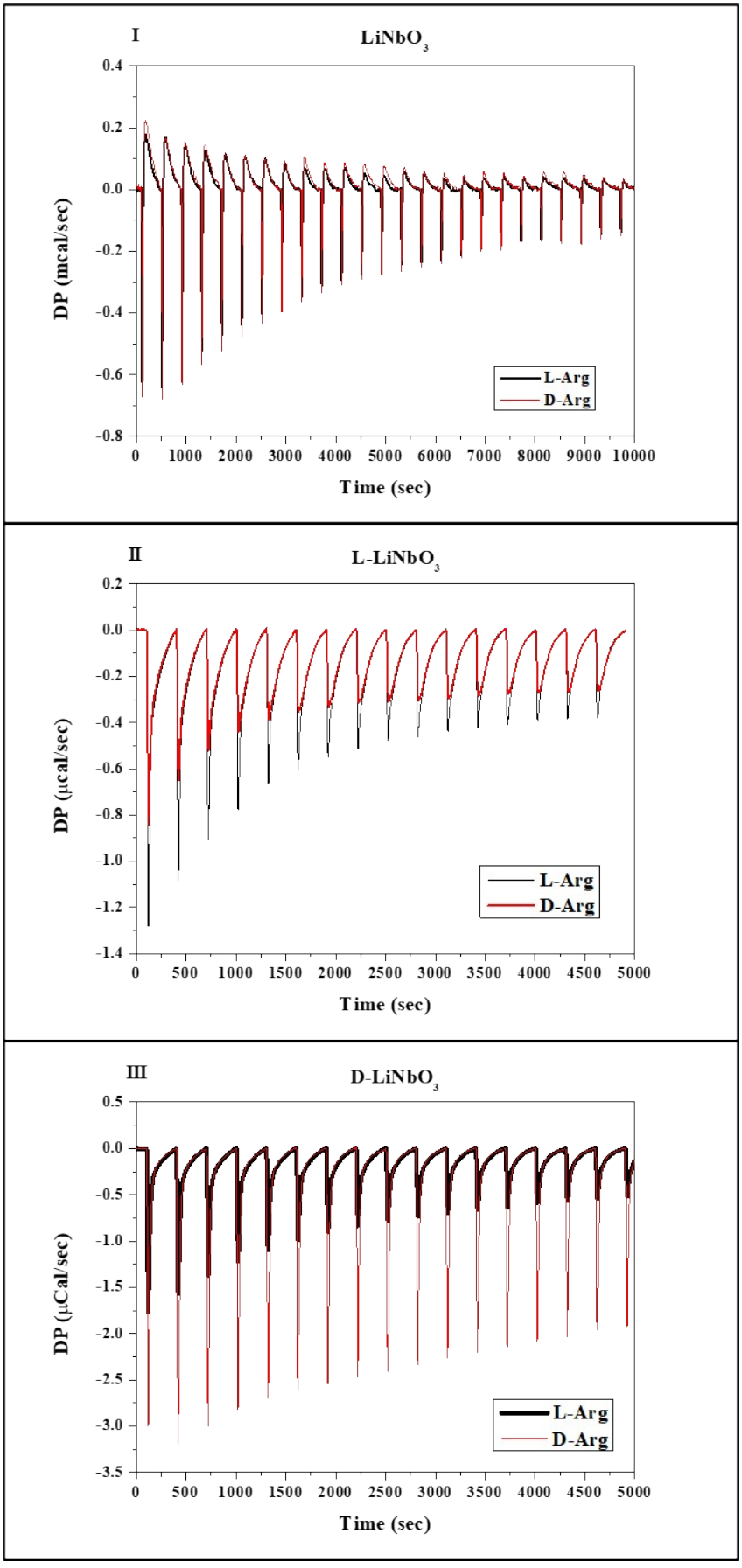
S1: SAED images from L/D-Ala-induced $LiNbO_3$ single crystals (I/II): diffraction spots from (1, 1, 0) plane (d-spacing 0.257/0.258 nm).



S2: FTIR spectra of control and chiral-induced $LiNbO_3$ crystals (upper); close-up view of Nb-O vibration band at 562 cm^{-1} (bottom).



S3: HPLC chromatograms of DL-Ala (5 mg/mL) before (I) and after adsorption to un-induced $LiNbO_3$ (II), L-Ala-induced $LiNbO_3$ (III) and D-Ala-induced $LiNbO_3$ (IV).



S4: ITC profiles at 30 °C by titrating 5 mM L/D-Arg (black/red) into 10 mg/mL un-induced $LiNbO_3$ (I), L-Ala-induced $LiNbO_3$ (II) and D-Ala-induced $LiNbO_3$ (III).