Supplementary Information

Cross-plane thermoelectric Seebeck coefficients in nanoscale Al$_2$O$_3$/ZnO superlattice films

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Figure S1 Un- and compensated cross-plane Seebeck coefficients of the films. Un-compensated and compensated cross-plane Seebeck coefficients of the 6-cycled AO/ZnO superlattice films as a function of the temperature difference from 1 to 5 K. All measurements were performed in a vacuum chamber at room temperature. The thickness of the samples was 100 nm. The measured Seebeck coefficients of 100 nm-thick 6-cycled AO/ZnO superlattice film was determined to be ~ 11.4 – 11.8 μV/K with a temperature difference which ranged from 1 to 5 K.
Figure S2 Temperature dependent cross-plane Seebeck coefficient of the films. Cross-plane Seebeck coefficient of 6-cycled AO/ZnO superlattice films as a function of temperature, ranging from 100 to 300 K. All measurements were performed in a vacuum chamber. The thickness of the samples was 100 nm.