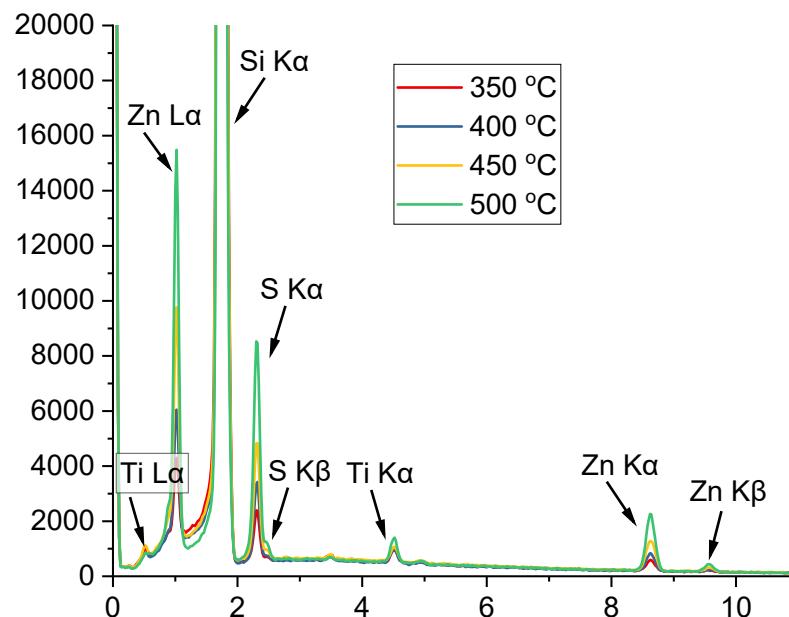


Supporting Information

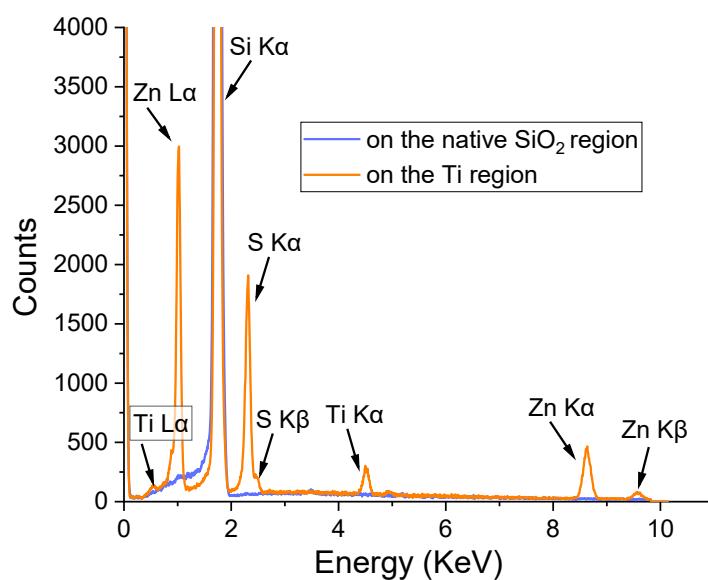
**Inherent Area-Selective Atomic Layer Deposition of ZnS**

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**Figure S1:** EDX spectra for the ZnS films that were deposited on Ti at 350, 400, 450, and 500 °C.



**Figure S2:** EDX spectra measured on the Ti and native SiO<sub>2</sub> regions on the Ti/native SiO<sub>2</sub> patterns after the ZnS deposition.