

Supporting Information

Effect of Cd on cation redistribution and order-disorder transition in $\text{Cu}_2(\text{Zn,Cd})\text{SnS}_4$

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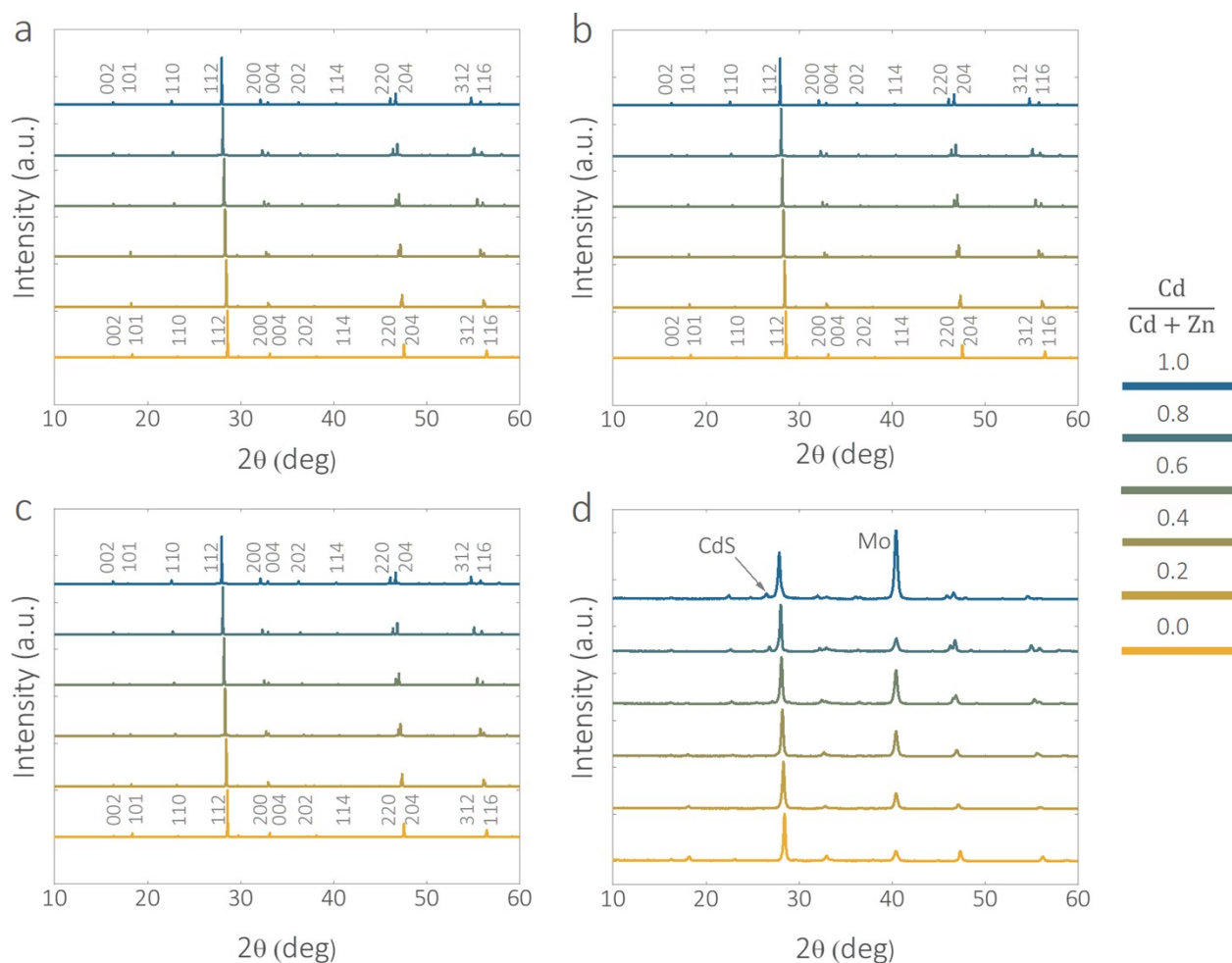


Figure S1: Simulated XRD patterns at different $\text{Cu}/[\text{Cd}+\text{Zn}]$ ratios for transformation of kesterite $\text{Cu}_2\text{ZnSnS}_4$ to stannite $\text{Cu}_2\text{CdSnS}_4$ according to (a) model 1, (b) model 2, (c) model 3, and the corresponding (d) experimental XRD patterns.

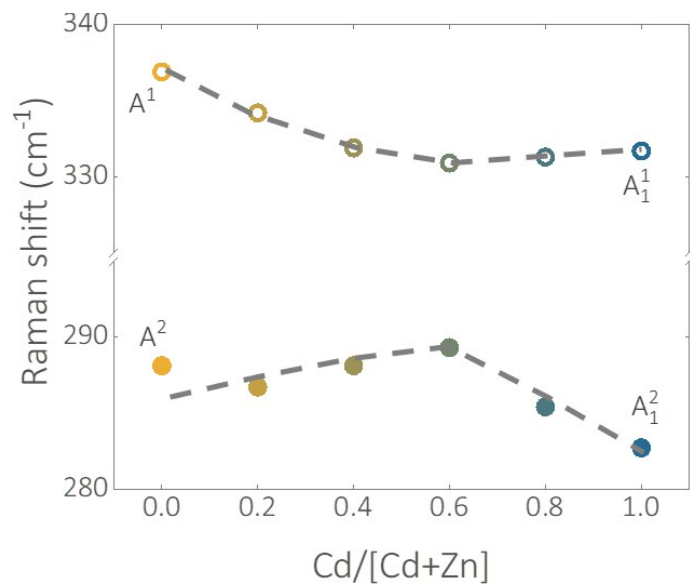


Figure S2: Position of the main A and A₁ mode peaks for Cu₂Zn_{1-x}Cd_xSnS₄.

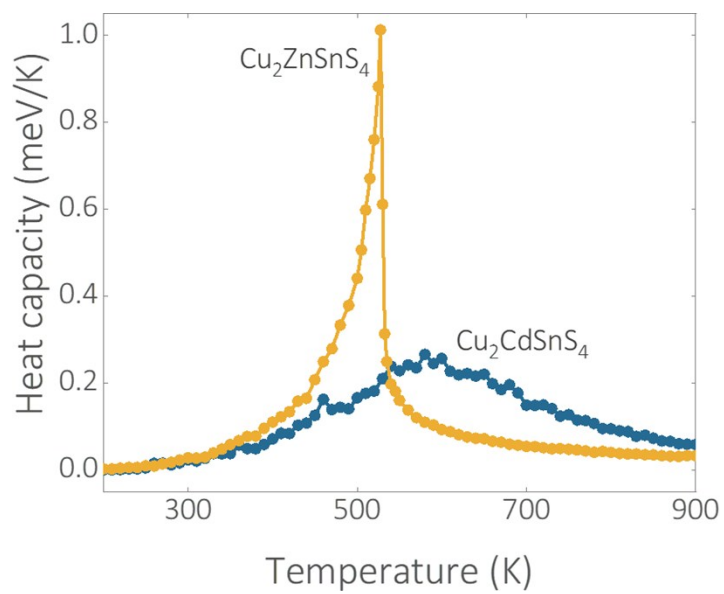


Figure S3: Calculated heat capacity for kesterite Cu₂ZnSnS₄ and stannite Cu₂CdSnS₄.