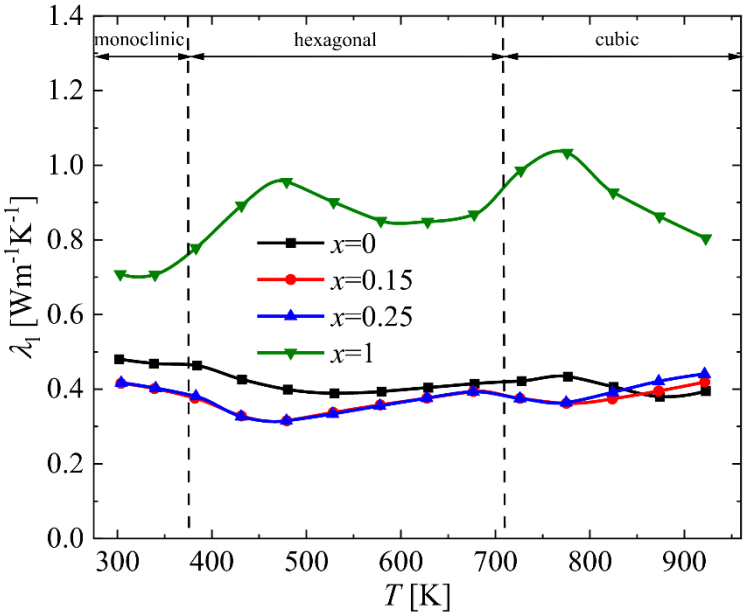


Figure S1. Temperature dependence of lattice thermal conductivity for $Cu_{32}S_{16-x}P_x$ samples (L = 2.44 · 10^{-8} WΩK^{-2}).

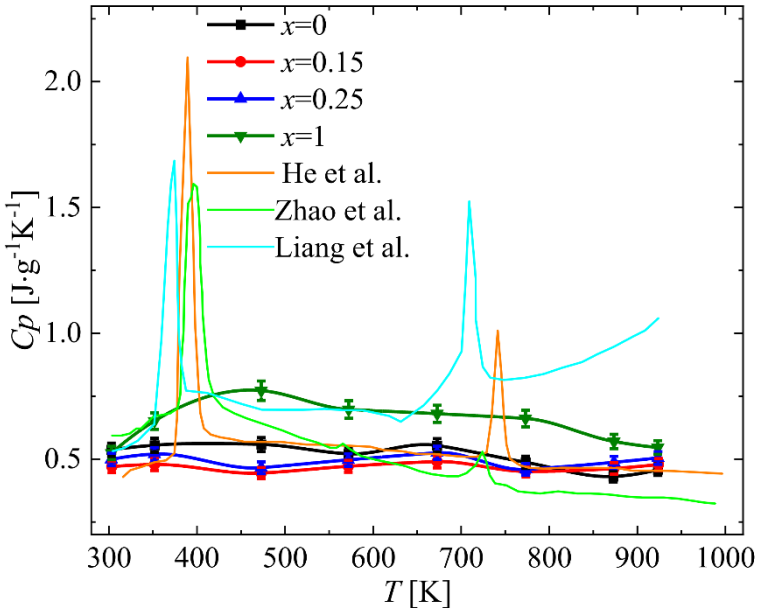


Figure S2. Temperature dependence of specific heat for $Cu_{32}S_{16-x}P_x$ samples and for undoped Cu_2S for other authors [1–3].

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