

**Ultralow lattice thermal conductivity and excellent thermoelectric performance of monolayer CdGaInS₄:
A first-principles investigation.**

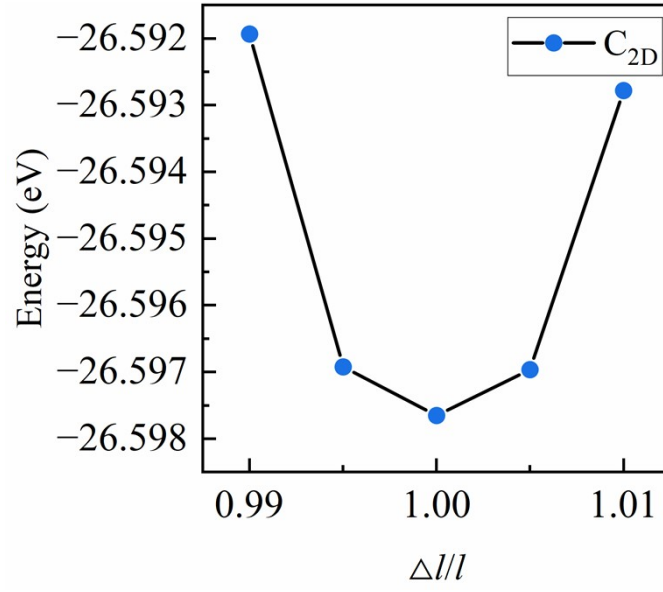


Figure. S1. The total energy as a function of strain in monolayer

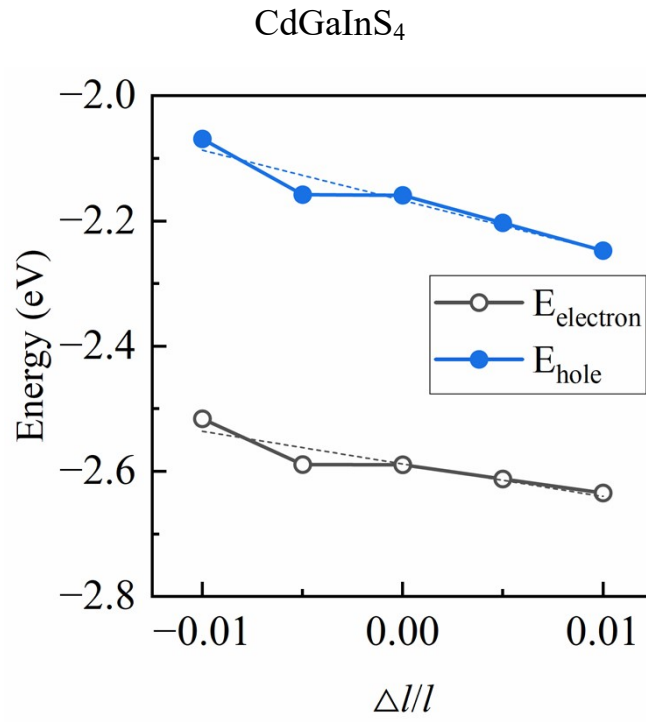


Figure. S2. The band edge energy as a function of strain in monolayer

CdGaInS_4

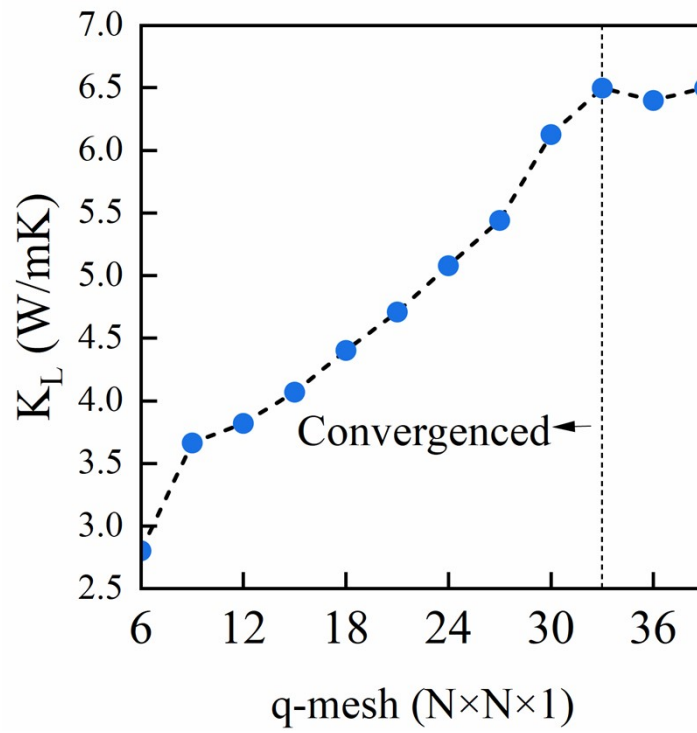


Figure. S3. Convergence test of calculated thermal conductivity for different q-mesh grid.