

Supporting Information

Ultra Low Lattice Thermal Conductivity and Thermoelectric Properties of Monolayer Tl_2O

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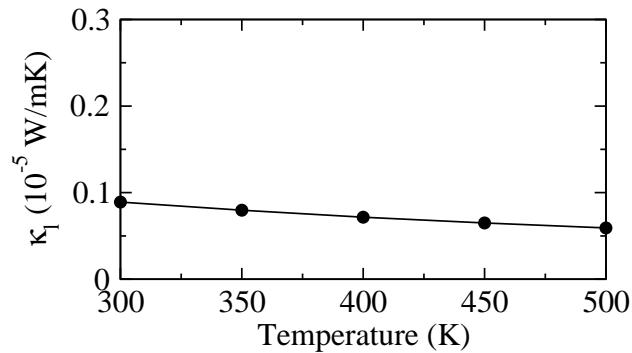


Figure S1. Out-of-plane lattice thermal conductivity as function of the temperature.

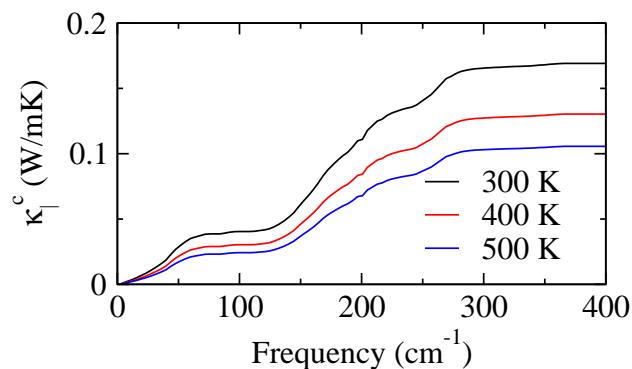


Figure S2. Cumulative lattice thermal conductivity as function of the phonon frequency.

POSCAR

Tl2O

1.000000

3.605045 0.000000 0.000000

-1.802523 3.122061 0.000000

0.000000 0.000000 22.933527

Tl O

2 1

Direct

0.333333 0.666667 0.440137

0.666667 0.333333 0.307493

0.000000 0.000000 0.373813