

## Supplementary Information

# Thermal transport properties of novel two-dimensional CSe

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### Contents :

Fig. S1: The convergence tests of  $\kappa_{\text{lat}}$  for RTA and iterative solution with different q-grid at 300 K.

Fig. S2: The convergence tests of  $\kappa_{\text{lat}}$  for different scale broadening parameters with 200x200x1 q-grid at 300 K

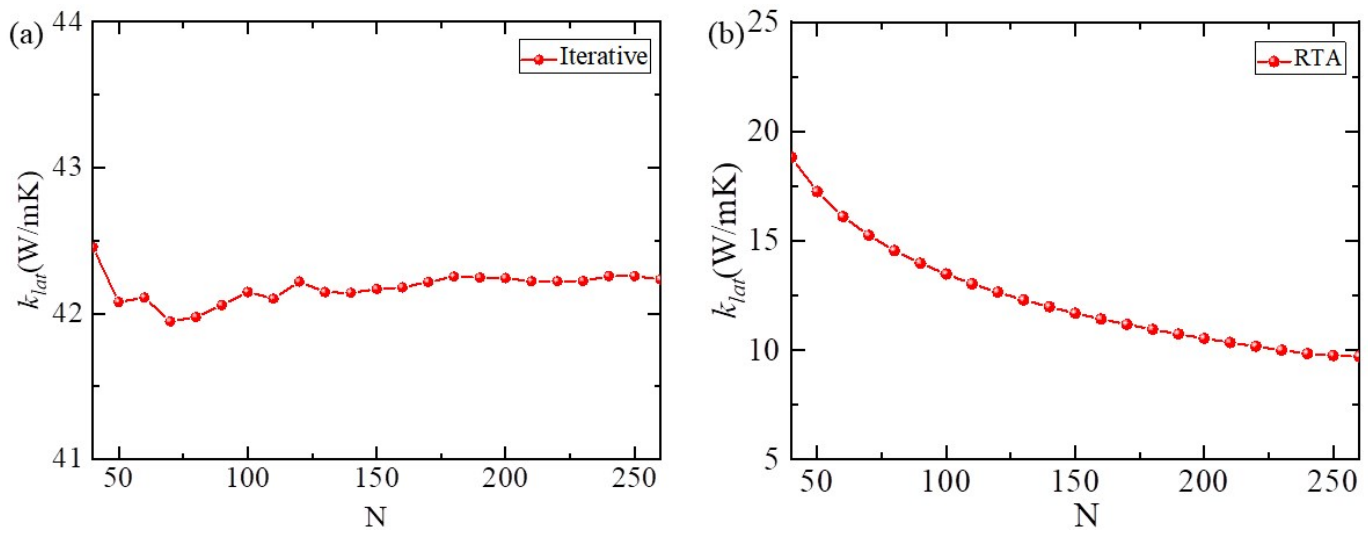


Fig. S1: (a) The convergence tests of  $\kappa_{lat}$  for the iterative solution with different q-grid at 300 K. (b) The convergence tests of  $\kappa_{lat}$  for RTA solution with different q-grid at 300 K.

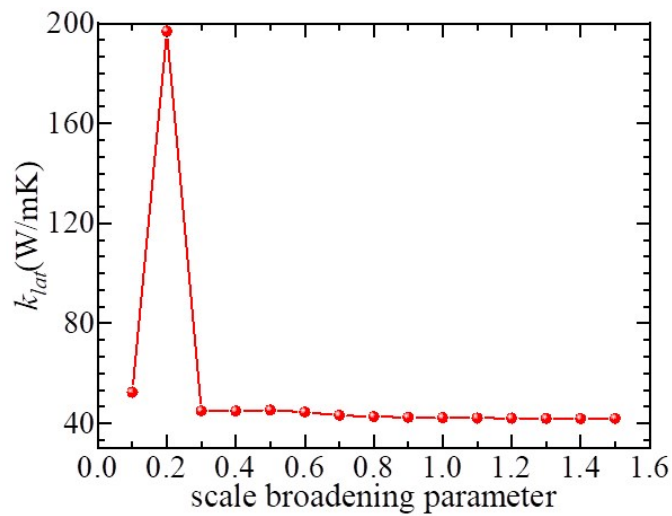


Fig. S2: The convergence tests of  $\kappa_{lat}$  for different scale broadening parameters with 200x200x1 q-grid at 300 K.