

Phonon Transport and Thermoelectric Properties of Imidazole-Graphyne

Yanyan Chen^{1,2}, Jie Sun^{1,2}, Wei Kang,² and Qian Wang^{1,2*}

1 School of Materials Science and Engineering, Peking University, Beijing 100871, China

2 Center for Applied Physics and Technology, HEPDS, College of Engineering, Peking University, Beijing, 100871, China

* Corresponding author: qianwang2@pku.edu.cn

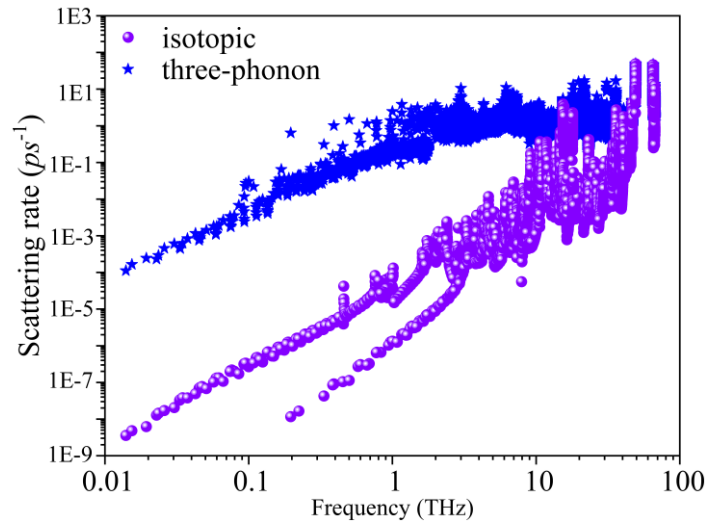


Figure S1. Three-phonon and isotopic scattering rates of ID-GY at room temperature.

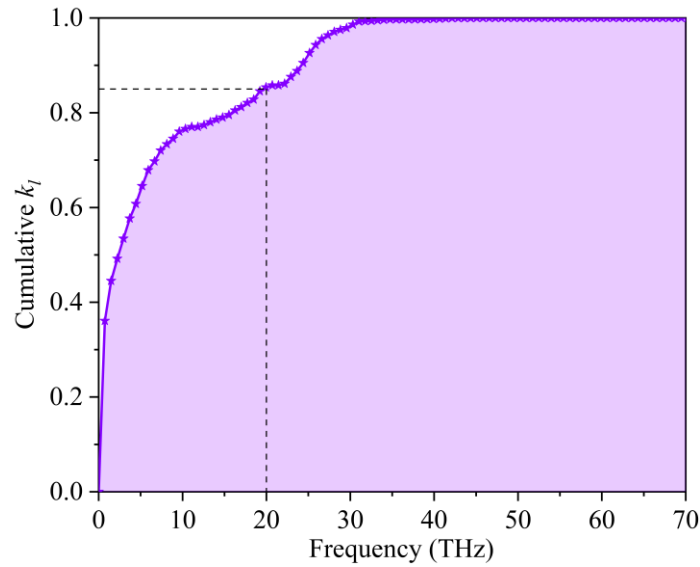


Figure S2. Variation of the normalized cumulative lattice thermal conductivity (k_l) with frequency for ID-GY.