

Supporting Information

Multilayer graphene-based thermal rectifier with interlayer gradient functionalization

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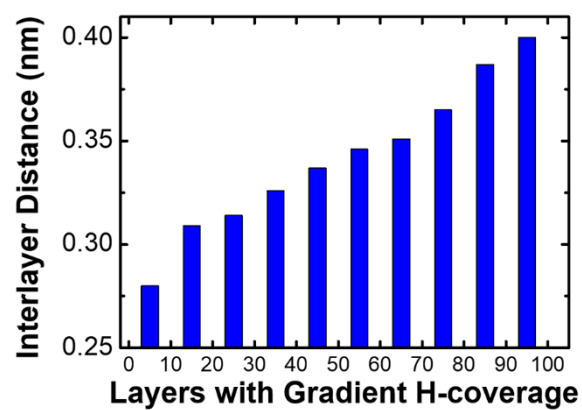


Figure S1. Interlayer distance between the layers with gradient H-coverage after equilibrium.

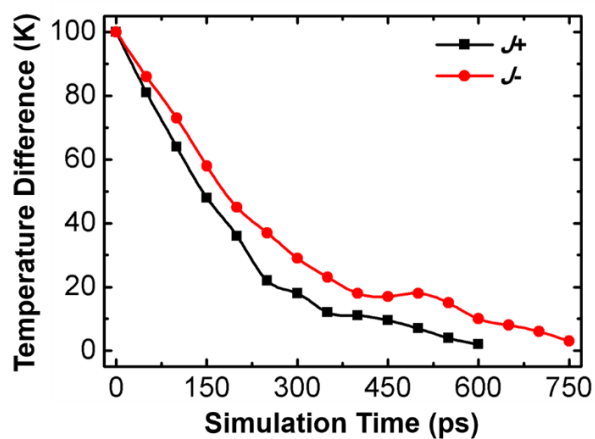


Figure S2. Evolution of temperature difference ΔT between hot and cold layers with the simulation time during the temperature stabilization process.

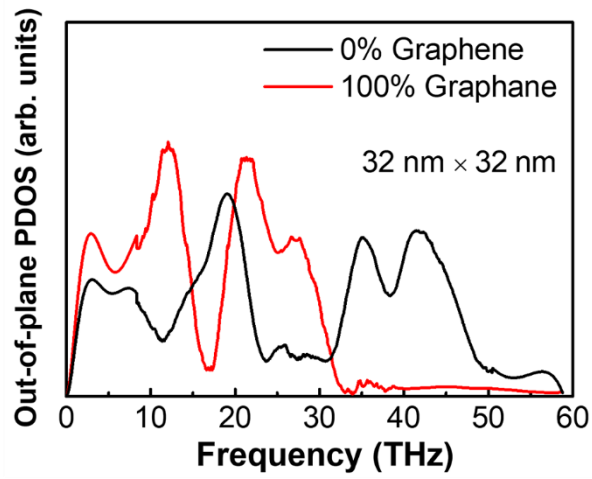


Figure S3. Out-of-plane PDOS of graphene and graphene layer in MGTR with supercell size of $32 \times 32 \text{ nm}^2$.

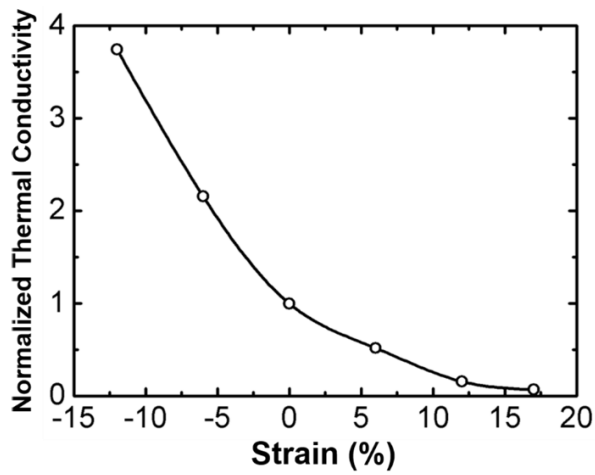


Figure S4. Normalized out-of-plane thermal conductivities of pristine multilayer graphene with out-of-plane strain. The thermal conductivities are normalized by the value without strain.