

Supplementary Material

Table S1. Nominal material parameters for aluminum. Properties representative are as obtained by Gandhi^[42], and the relations between these parameters are referred by Jemioł^[22].

| Material | λ | μ | V_1 | V_2 | V_3 | ρ |
|-----------|-----------|----------|------------|------------|-----------|------------------------|
| Aluminium | 54.9 GPa | 26.5 GPa | -205.8 GPa | -149.3 GPa | -87.8 GPa | 2800 km/m ³ |

a. ' λ ' and ' μ ' represents Lamé constants.

b. ' V_1 ', ' V_2 ' and ' V_3 ' are Murnaghan's TOECs.

d. ' ρ ' means mass density.