

Tempering of Au nanoclusters: capturing the temperature-dependent competition among structural motifs

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Electronic Supplementary Information

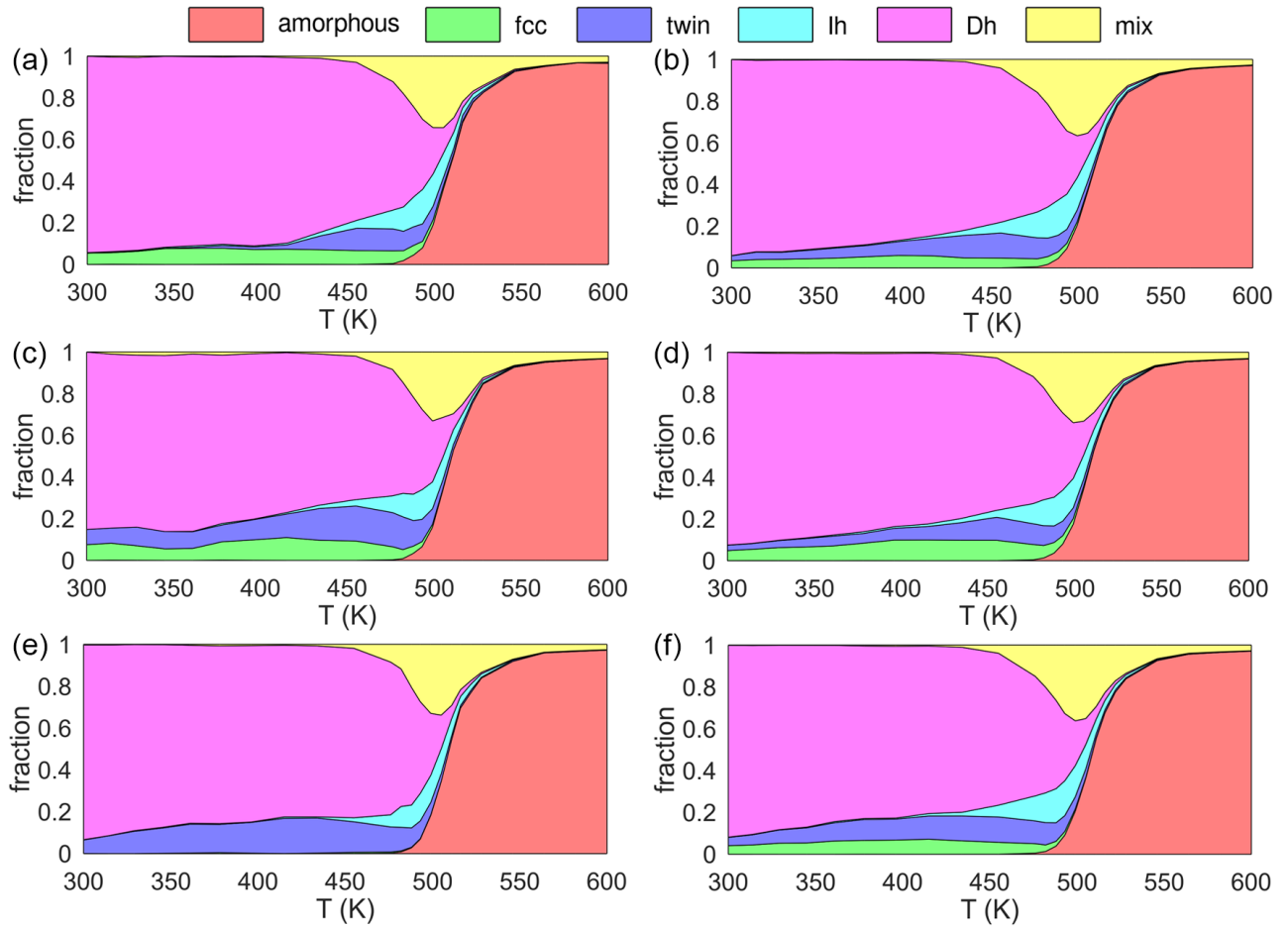


Fig. S 1. PTMD simulations of Au_{147} nanoclusters. Fraction of structures as a function of temperature for initial structure Dh (global minimum) at (a) $0.5 \mu\text{s}$ and (b) $2.4 \mu\text{s}$. Fraction of structures as a function of temperature for initial structure twin at (c) $0.5 \mu\text{s}$ and (d) $2.4 \mu\text{s}$. Fraction of structures as a function of temperature for initial structure random at (e) $0.6 \mu\text{s}$ and (f) $2.4 \mu\text{s}$.

In the Fig. S1, we compare the results of PTMD simulations for three different initial structures: Dh (a,b), twin (c,d), and non-physical random (e,f). After a time of about $0.5 \mu\text{s}$ to $0.6 \mu\text{s}$, there are differences between the three PTMD simulations. However, after $2.4 \mu\text{s}$, all the three simulation converge to the same structural distribution.