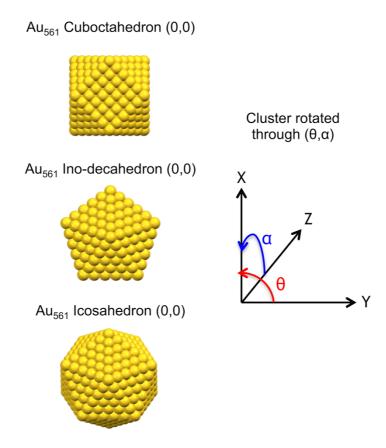
Metastability of the atomic structures of size-selected gold nanoparticles

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Supplementary figure S1. Orientation of cluster structures used for electron scattering simulations

Geometrical models of the Au_{561} cuboctahedron, Ino-decahedron and icosahedron are shown alongside a key to the angle of orientation of the cluster (θ,α) used in the electron scattering simulations.

SI Video legend

Supplementary video S2. Au₅₆₁ structural transformation video

A series of STEM images (video) of an Au₅₆₁ cluster, taken during continuous irradiation with the STEM electron beam. The cluster transforms from decahedral to fcc. A total of 51 frames were taken at a dose of 2.1×10^4 e⁻/Angstrom²/frame, field of view 15.74nm×15.74nm and acquisition time per frame of 2.9s (images were cropped for the video to 5.5nm×5.5nm, frame time increased, and one frame was removed due to movement whilst imaging).