



Figure 1 (a,b) STM images of Pt₂₀ clusters as deposited on single-crystalline (a) oxidized CeO₂(111) and (b) surface-reduced CeO_{1.94}(111) thin films on Rh(111). Insets: Atomic resolution images of the oxidized and reduced surfaces. (c) Apparent height distribution of Pt₂₀ clusters on both surfaces. (d,e) STM images of sintered, former Pt₂₀ clusters on both surfaces after annealing to 900 K with the corresponding apparent height distribution in (f). Imaging conditions: RT, $U_{b,ox} = 3.5$ V, $U_{b,red} = 3.0$ V, $I_t = 200$ pA.