

Surface Electronic Structure and CO-oxidation Activity of Pt Alloys

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Supporting information

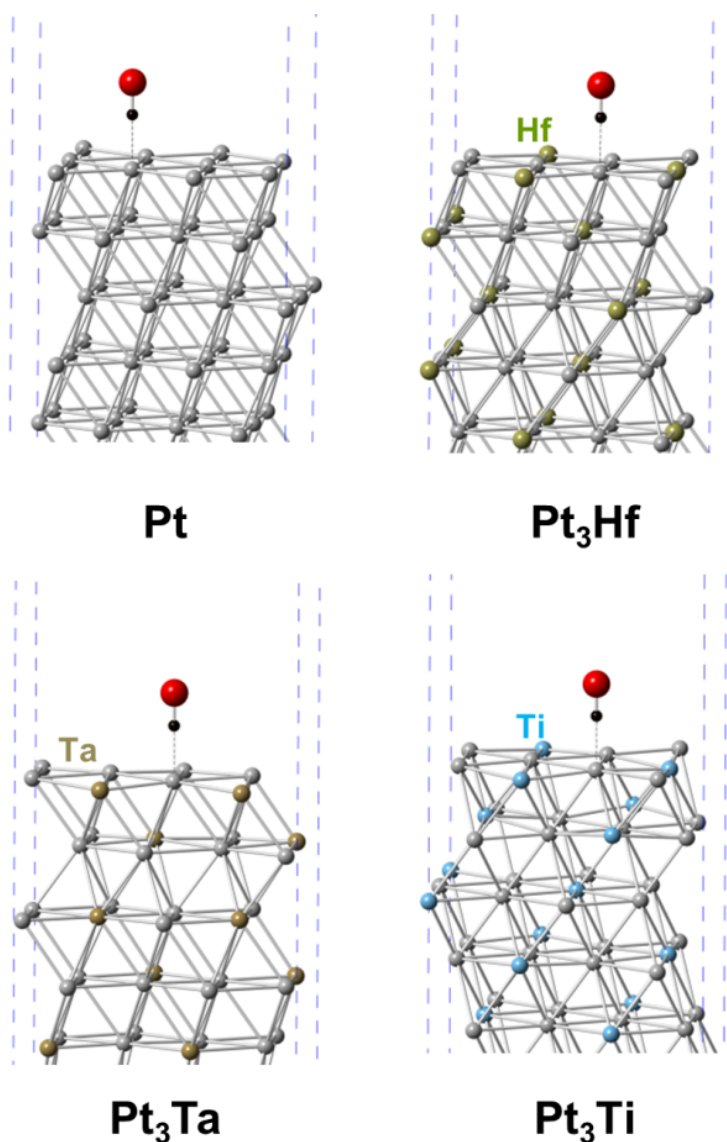


Figure S1. Local geometry of the slab models for Pt, Pt₃Ti, Pt₃Hf, and Pt₃Ta with a CO molecule adsorbed on a Pt atom. The black, red, silver spheres correspond to C, O and Pt atoms, respectively.

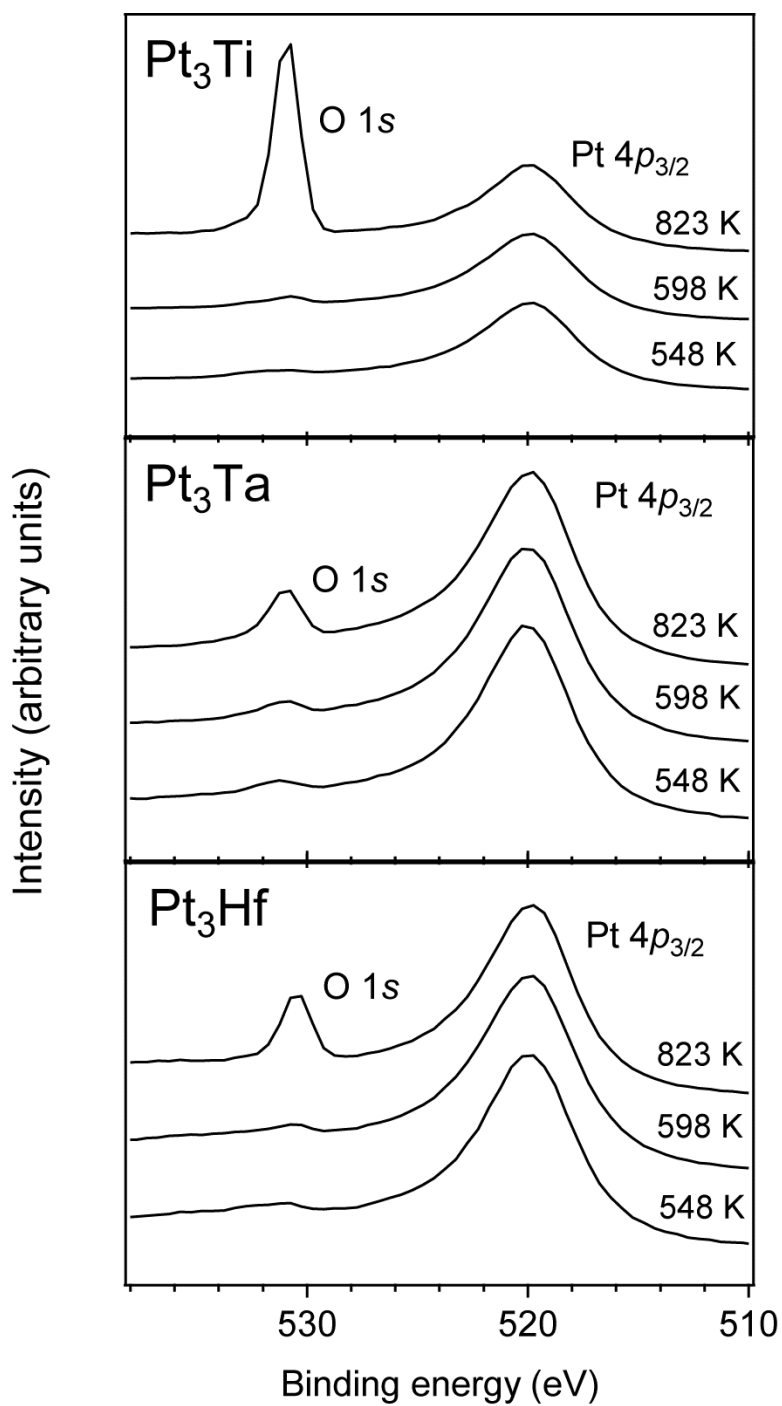


Figure S2. HX-PES profiles in the O1s and Pt 4p_{3/2} regions for the surfaces of Pt₃Ti, Pt₃Ta and Pt₃Hf that were heated to different temperatures in the reactant gas.