

Supporting Information for

Electrochemical Oxidative Desorption of
Adsorbed Sulfur Species on (111) Surfaces of
Single Crystals of Pure Pt and Pt-Based
Bimetallic Alloys

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1. Potential cycling experiment for S-free bare Pt(111) electrode

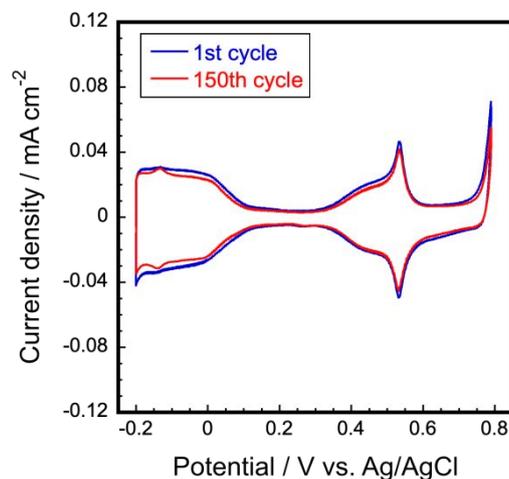


Figure S1. CVs of S-free Pt(111) electrode measured in a 0.1 M HClO₄ aqueous solution with a scan rate of 50 mV s⁻¹.

2. XPS measurements of Pt₃Cu(111) surface and CuS deposited on polycrystalline Pt surface

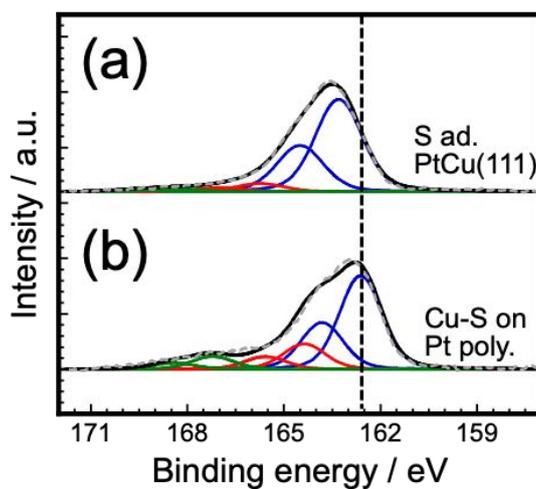


Figure S2. Photoelectron spectra in the S 2p region of (a) S-adsorbed Pt₃Cu(111) and (b) CuS deposited on polycrystalline Pt surface.