

Catalytic Etching and Oxidation of Platinum Group Metals: Morphology, Chemical Composition and Structure of Pt, Pd and Rh foils in the O₂ Atmosphere and during NH₃ Oxidation with Air at 1133 K

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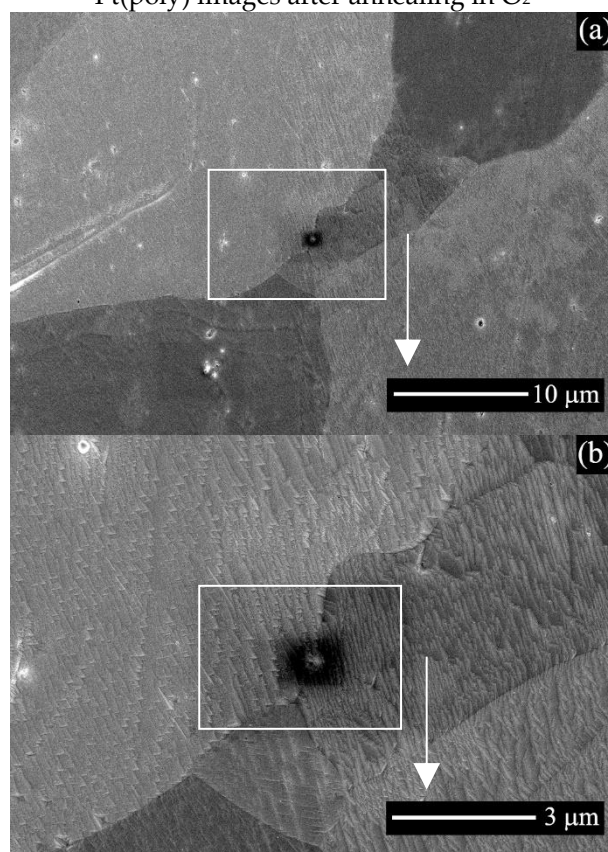
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2. Results

2.2. Morphology and chemical composition of Pt(poly), Pd(poly) and Rh(poly) in the O₂ atmosphere

Pt(poly) images after annealing in O₂



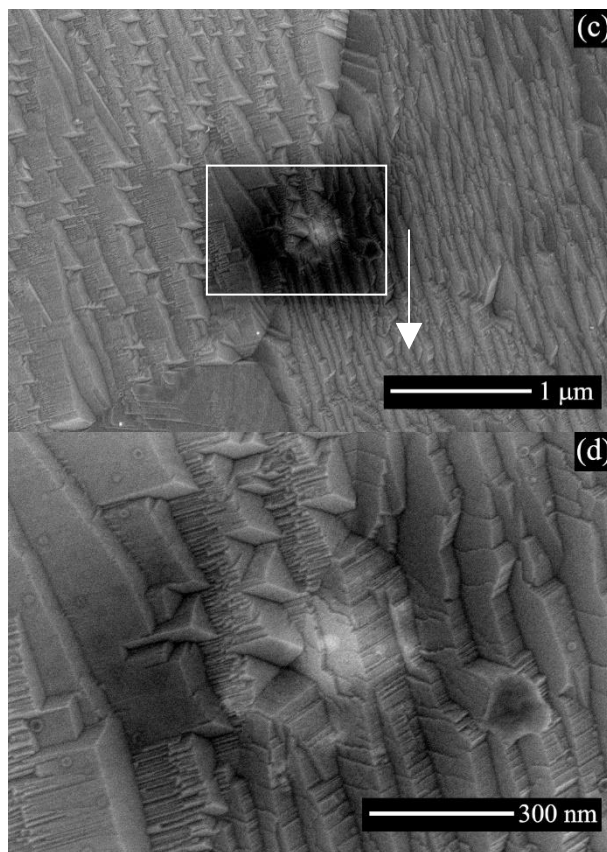
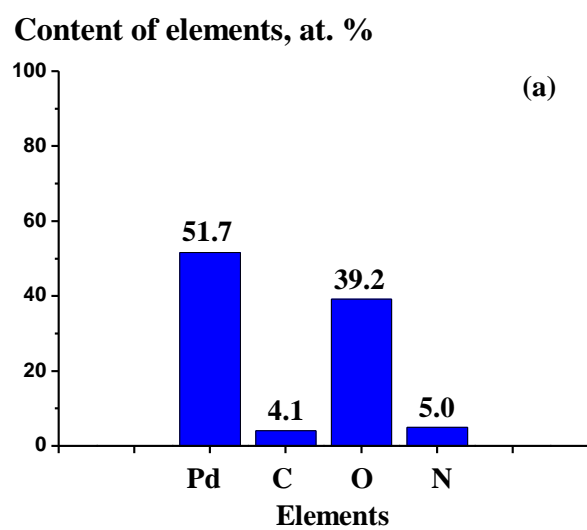


Figure S1. SEM images of the Pt(poly) surface after annealing in O₂ at Po₂ = 1 bar and 1100 K for 3 h. Images were obtained in SE mode at E₀ = 20 keV; rectangles indicate the regions represented by images with a higher magnification.

2.3. Morphology and chemical composition of Pt(poly), Pd(poly) and Rh(poly) after NH₃ oxidation with air at 1133 K for 1, 5 and 10 hours



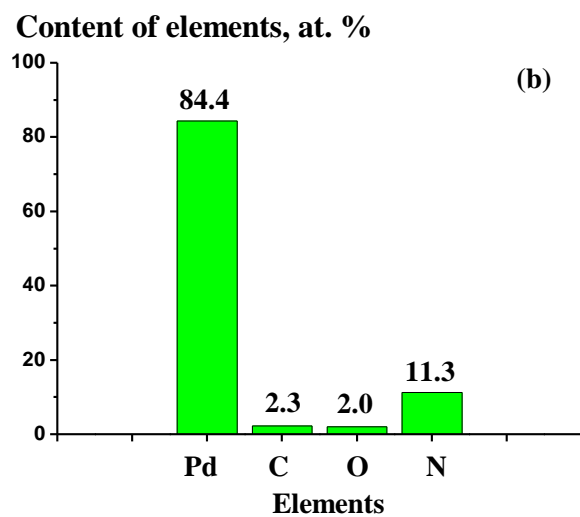


Figure S2. Concentrations of Pd, C, O and N on Pd(poly) after NH₃ oxidation at 1133 K for 1 (a) and 5 (b) hours according to EDS data obtained at $E_0 = 20$ keV.