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Influence of the degree of surface oxidation of polycrystalline Rh electrodes on the underpotential deposition of Cu

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Unfortunately there were a few errors in the above-mentioned article:

1. In “Results and discussion - Electrochemical characteristics of the surface oxides of Rh in 1 M H₂SO₄ as a function of E_U ” (paragraph 3) the sentence “These authors argue that the chemical formation of O-electrosorbed species are only partially electroreduced during the potential scan in the negative direction, which is closely related to the overlapping of the O-electrodesorption and the H-electrosorption potential ranges” should read “These authors argue that the O-electrosorbed species are only partially electroreduced during the potential scan in the negative direction, which is closely related to the overlapping of the O-electrodesorption and the H-electrosorption potential ranges”.

2. In “Results and discussion - Deposition of Cu onto Rh as a function of E_U ” (paragraph 1) the sentence

“Figure 4 shows the potentiodynamic I - E profiles of Rh in 1 M H₂SO₄ + 1.9 × 10⁻³ M CuSO₄ for a number of values of E_U in the range 0.94 V ≤ E_U ≤ 1.4 V” should read “Figure 4 shows the potentiodynamic I - E profiles of Rh in 1 M H₂SO₄ + 1.9 × 10⁻³ M CuSO₄ for a number of values of E_U in the range 1.04 V ≤ E_U ≤ 1.4 V”.

3. In “Results and discussion - Deposition of Cu onto Rh as a function of E_U ” (Fig. 5) the vertical axis was “($Q_{Cu}/2Q_{H,s}$)/ μC ”. It should read “($Q_{Cu}/2Q_{H,s}$)”.

4. In “Results and discussion - Deposition of Cu onto Rh as a function of E_U ” (paragraph 8) the sentence “Taking into account the above, the potentiodynamic I - E profiles (Fig. 5) show that as E_U is increased to more positive values the most positive anodic peak (peak III) increases in height and its peak potential ($E_{pa(III)}$) is displaced to less positive values” should read “Taking into account the above, the potentiodynamic I - E profiles (Fig. 4) show that as E_U is increased to more positive values the most positive anodic peak (peak III) increases in height and its peak potential ($E_{pa(III)}$) is displaced to less positive values”.

The online version of the original article can be found at <http://dx.doi.org/10.1007/s10008-002-0282-7>

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