Erratum

D. E. Mencer, M. A. Hossain, J. R. Parga, D. L. Cocke

Cu₃O₂ evidence from linear sweep voltammetry data, Journal of Materials Science Letters, 21 (2): 125–127, January 15 2002

An incorrect version of figure 1 was inadvertently submitted with the original manuscript. The corrected figure appears below. The voltages (all vs. Ag/AgCl) that appear in the text should also be corrected (all reaction numbers listed below are the numbers given in the original paper). Precursor oxide reduction (reaction 1) occurs at ca. -0.48 V and all other oxides reduce over a range from ca. -0.50 V to -0.80 V with: reduction of the Cu^{2+} in CuO to a hydrated Cu^{1+} oxide or hydroxide (reaction 2) at ca. -0.58 V, reduction of the Cu^{1+} produced in reaction 2 at ca. -0.64 V (reaction 3), reduction of Cu_3O_2 at ca. -0.69 V, and finally reduction of Cu^{1+} in Cu_2O originally present in the oxide layer at ca. -0.72 V. All Cu^{2+} should be reduced by a potential of ca. -0.68 V (where the trailing edge of the reduction of CuO overlaps the leading edge of the reduction of Cu_3O_2).