

**Erratum: Electron-stimulated positive-ion desorption caused by charge transfer from adsorbate to substrate: Oxygen adsorbed on TiO<sub>2</sub>(110) [Phys. Rev. B 79, 081408 (2009)]**

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The ESD cross sections for the oxygen species should be corrected as follows;  $Q_{(\text{lattice O})}^+ = (5 \pm 2) \times 10^{-21} \text{ cm}^2$ ,  $Q_{(\text{adsorbed O})}^+ = 3 \times 10^{-18} \text{ cm}^2$ . Accordingly disregard the sentence “Thus the ESD cross section of O<sup>+</sup> ions from the O<sub>t</sub> species generated by hole formation in the Ti(3p) level is comparable or even higher than the gas phase ionization cross section for an oxygen atom.” The main conclusions of the paper are not altered in any way.