Erratum: A Surface Science Approach to Understanding TiO₂ Photocatalyst: Correlation between Carrier Lifetime and Photocatalytic Activity

Kenichi Ozawa,^{a,†} Susumu Yamamoto,^{b,‡} Kazuhiko Mase,^{c,d} Iwao Matsuda^{b,e}

^a Department of Chemistry, Tokyo Institute of Technology, Meguro, Tokyo 152-8551, Japan

^b Institute for Solid State Physics, The University of Tokyo, Kashiwa, Chiba 277-8581, Japan

^c Institute of Materials Structure Science, High Energy Accelerator Research Organization (KEK), Tsukuba, Ibaraki 305-0801, Japan

^d SOKENDAI (The Graduate University for Advanced Studies), Tsukuba, Ibaraki 305-0801, Japan

^e Institute of Multidisciplinary Research for Advanced Materials, Tohoku University, Sendai 980-8577, Japan

[‡] Present address: Institute of Multidisciplinary Research for Advanced Materials, Tohoku University, Sendai 980-8577, Japan

[†] Corresponding author: ozawa.k.ab@m.titech.ac.jp

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Surface indices of rutile TiO₂ were wrongly displayed in Table 3 in the original article [1]. The correct table is shown below.

This revision does not affect the conclusion.

Table 3: Carrier lifetime on adsorbate-free surfaces (τ_{∞}), acetic-acid adsorption-induced change in surface potential barrier height (ΔV_s), and expected carrier lifetime on the acetate-saturated surfaces ($\tau_{\infty,Ac}$).

Surfaces	τ_{∞} (ns)	ΔV_s (eV)	$\tau_{\infty,Ac}$ (ns)
anatase TiO ₂ (001)	90	0.05	360
rutile TiO ₂ (011)	1.3	0.06	7
rutile TiO ₂ (110)	150	0.04	450
rutile TiO ₂ (110) ^a	230	−0.05	60

^a Ar⁺-sputtered surface.

References

[1] K. Ozawa, S. Yamamoto, K. Mase, and I. Matsuda, *e-J. Surf. Sci. Nanotechnol.* **17**, 130 (2019).

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