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In this erratum, we correct the parameters for the function S describing the sticking probability of H and D atoms to metal surfaces published earlier.[1] The parameters d and e were interchanged. The formula with the corrected parameters is given as follows:

$$S = (S_0 + a \cdot E_{in} + b \cdot M) * \left(1 - h(\vartheta_{in} - c) \times (1 - \cos(\vartheta_{in} - c)^{d \cdot h(E_{in} - e)(E_{in} - e)})\right),$$

where h is the Heaviside step function, $S_0 = 1.081$, $a = -0.125\ \mathrm{eV}^{-1}$, $b = -8.40 \times 10^{-4}\ \mathrm{u}^{-1}$, $c = 28.88°$, $d = 0.443\ \mathrm{eV}^{-1}$, and $e = 1.166$ eV for H, and $S_0 = 1.120$, $a = -0.124\ \mathrm{eV}^{-1}$, $b = -1.20 \times 10^{-3}\ \mathrm{u}^{-1}$, $c = 28.62°$, $d = 0.474\ \mathrm{eV}^{-1}$, and $e = 1.196$ eV for D.

REFERENCE

[1]Y. Dorenkamp, H. Jiang, H. Köckert, N. Hertl, M. Kammler, S. M. Janke, A. Kandratsenka, A. M. Wodtke, and O. Bünermann, J. Chem. Phys. **148**, 034706 (2018).