

# Erratum: “Hydrogen collisions with transition metal surfaces: Universal electronically nonadiabatic adsorption” [J. Chem. Phys. 148, 034706 (2018)]

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Yvonne Dorenkamp, Hongyan Jiang , Hansjochen Köckert , Nils Hertl, Marvin Kammler, Svenja M. Janke, Alexander Kandratsenka , Alec M. Wodtke , and Oliver Bünermann 



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Yvonne Dorenkamp,<sup>1</sup> Hongyan Jiang,<sup>1</sup>  Hansjochen Köckert,<sup>1</sup>  Nils Hertl,<sup>1,2</sup> Marvin Kammler,<sup>1,2</sup> Svenja M. Janke,<sup>1,2</sup> Alexander Kandratsenka,<sup>1,2</sup>  Alec M. Wodtke,<sup>1,2,3</sup>  and Oliver Bünermann<sup>1,2,3,a)</sup> 

## AFFILIATIONS

<sup>1</sup>Institute for Physical Chemistry, Georg-August University of Göttingen, Tammannstr. 6, 37077 Göttingen, Germany

<sup>2</sup>Department of Dynamics at Surfaces, Max-Planck Institute for Biophysical Chemistry, Am Faßberg 11, 37077 Göttingen, Germany

<sup>3</sup>International Center for Advanced Studies of Energy Conversion, Georg-August University of Göttingen, Tammannstr. 6, 37077 Göttingen, Germany

<sup>a)</sup> Author to whom correspondence should be addressed: [oliver.buenermann@chemie.uni-goettingen.de](mailto:oliver.buenermann@chemie.uni-goettingen.de)

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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.<sup>1</sup> The parameters  $d$  and  $e$  were interchanged. The formula with the corrected parameters is given as follows:

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

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

## REFERENCE

<sup>1</sup>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).