



OPEN

Publisher Correction: Synthesis and characterization of novel acrylamide derivatives and their use as corrosion inhibitors for carbon steel in hydrochloric acid solution

A. S. Fouda, E. M. Khalil, G. A. EL-Mahdy, M. M. Shaban, A. S. Mohammed & N. A. Abdelsatar

Correction to: *Scientific Reports* <https://doi.org/10.1038/s41598-023-30574-3>, published online 02 March 2023

The original version of this Article contained errors in Equations 7 and 8.

In the original version of this article, the value “55.5” was incorrectly placed as a denominator, where

$$K_{ads} = 1/55.5 \exp [-\Delta G_{ads}^0/RT]$$

now reads:

$$55.5K_{ads} = \exp [-\Delta G_{ads}^0/RT]$$

The original Article has been corrected.

Additionally, the original PDF version of this Article contained errors in Equation 8, where the minus sign is missing:

$$k_{corr} = A \exp (E_a^*/RT)$$

now reads:

$$k_{corr} = A \exp (-E_a^*/RT)$$

This error has now been corrected in the PDF version of the Article; the HTML version was correct from the time of publication.

Published online: 01 August 2023



Open Access This article is licensed under a Creative Commons Attribution 4.0 International License, which permits use, sharing, adaptation, distribution and reproduction in any medium or format, as long as you give appropriate credit to the original author(s) and the source, provide a link to the Creative Commons licence, and indicate if changes were made. The images or other third party material in this article are included in the article's Creative Commons licence, unless indicated otherwise in a credit line to the material. If material is not included in the article's Creative Commons licence and your intended use is not permitted by statutory regulation or exceeds the permitted use, you will need to obtain permission directly from the copyright holder. To view a copy of this licence, visit <http://creativecommons.org/licenses/by/4.0/>.

© The Author(s) 2023