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## **OPEN** Author Correction: Adsorption, thermodynamic, and quantum chemical investigations of an ionic liquid that inhibits corrosion of carbon steel in chloride solutions

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Correction to: Scientific Reports https://doi.org/10.1038/s41598-022-16755-6, published online 22 July 2022

In the original version of this Article, A. M. El Shamy and S. Zein El Abedin were incorrectly affiliated with 'Petrochemicals Department, Egyptian Petroleum Research Institute, P.B. 11,727, Nasr City, Cairo, Egypt.' Their correct affiliation is listed below.

Electrochemistry and Corrosion Laboratory, Physical Chemistry Department, National Research Centre, Dokki, 12622, Cairo, Egypt.

The original Article has been corrected.

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